US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
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)	WOKBI/2.60 NM TO RW13 (FB)	130.60 / 2.44	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

CLIMB TO 2000 DIRECT AMAPE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW CAKOB, RT, 130.56 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 130.60 FAF: BUVTE DIST FAF TO MAP: 5.04 THLD: 5.04
4. MIN. ALT: CAKOB 2000, BUVTE 1700, WOKBI/2.60 NM TO RW13 920*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1700 GS ALT AT: BUVTE 1700 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS NOT CLEAR
8. MSA FROM: RW13 2600

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

MAG VAR: 5E EPOCH YEAR: 2005

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | 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 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HARLINGEN, TX	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 2	AMDT: 1A
				DATED 09/20/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[ ]	[X]	[X]	[X] ZHU, VALLEY APP CON, HRL TOWER, AMGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JILL OLSON (NICHOLAS K. JACKSON)	AJV-353	05/14/2012

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	MANAGER	AJV-353	

CHANGES:

1. ADDED LPV MINIMUMS.
2. CANCELLED FIX NAMES APUGE AND BATVE.
3. INITAL APPROACH SEGMENTS EXTENDED TO 10 NM.
4. ADDED STEPDOWN FIX WOKBI.
5. DIST FAF TO THLD CHANGED FROM 4.97 TO 5.04
6. ADDED NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
7. LNAV/VNAV DA/HATH LOWERED FROM 360/325 TO 327/293, VIS FROM 1 TO 7/8.
8. LNAV HATH CHANGED FROM 405 TO 406.
9. ADDED ALTERNATE MINS.
10. DELETED NOTE "GPS OR RNP -0.3 NA".
11. ADDED PROCEDURE ENTRY RESTRICTION NOTE FOR ARRIVALS AT MFE VOR/DME.
12. CHANGED TDZE 35 TO THRE 34.
13. ADDED NOTE "VISIBILITY REDUCTION BY HELICOPTERS NA".
14. ADDED BACKUP ALTIMETER AND ASSOCIATED ADJUSTMENTS.

REASONS:

1. IAW AFS-400 MEMORANDUM DTD NOV 18, 2010.
2. FIXES MOVED MORE THAN 1 NM.
3. PER FPT CHECKLIST.
4. TO RETAIN CURRENT MINIMA.
5. 8260.54A L-V RNP PFAF FORMULA APPLIED.
6. IAW 8260.19E CHAP 4 SEC 5 PARA 4-97
7. NEW CONTROLLING OBSTRUCTION.
8, 12. THRE UTILIZED IN LIEU OF TDZE.
9. IAW 8260.19E CHAP 8 PARA 8-53(B)1.
10. NOTE NO LONGER REQUIRED.
11. DUE TO TURNS AT NAVAID EXCEEDING 90 DEGREES
13. IAW 8260.19E PARA 8-54(I)3.
14. IAW 8260.19E PARA 8-54(L)A1.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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 aiport 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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MFE   K4011720VDHW N26102595W098142683    N26102595W098142683E0090001002     NARMC ALLEN

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMAPE K40    W     N26051540W097302296                    E0043     NAR           AMAPE
        SUSAEAENRT   BUVTE K40    W     N26173644W097434580                    E0044     NAR           BUVTE
        SUSAEAENRT   CAKOB K40    W     N26215116W097482279                    E0045     NAR           CAKOB
        SUSAEAENRT   FAMVI K40    W     N26144960W097561926                    E0046     NAR           FAMVI
        SUSAEAENRT   HIRTA K40    W     N26285227W097402536                    E0044     NAR           HIRTA
        SUSAEAENRT   JIMIE K40    C   L N26444966W097443489                    E0044     NAR           JIMIE
        SUSAEAENRT   WOKBI K40    W     N26155130W097415163                    E0044     NAR           WOKBI

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4AHRL     0     083YHN26133760W097391850E005000036         1800018000C    MNAR    VALLEY INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4FR13-Y ACAKOB 010CAKOBK4EA0EE AR   HF                    13060040    + 02000     18000                A JS
        SUSAP KHRLK4FR13-Y AJIMIE 010JIMIEK4EA0E       IF                                          18000                A JS
        SUSAP KHRLK4FR13-Y AJIMIE 020HIRTAK4EA0E  A 020TF                    16180163    + 02600                          A JS
        SUSAP KHRLK4FR13-Y AJIMIE 030CAKOBK4EA0EE B 010TF                    22060100    + 02000                          A JS
        SUSAP KHRLK4FR13-Y AMFE   010MFE  K4D 0V       IF                                          18000                A JS
        SUSAP KHRLK4FR13-Y AMFE   020FAMVIK4EA0E  A 020TF                    06990169    + 02600                          A JS
        SUSAP KHRLK4FR13-Y AMFE   030CAKOBK4EA0EE B 010TF                    04050100    + 02000                          A JS
        SUSAP KHRLK4FR13-Y R      010CAKOBK4EA0E  I    IF                                + 02000     18000                A JS
        SUSAP KHRLK4FR13-Y R      020BUVTEK4EA1E  F 051TF                    13060059    + 01700                RW13  K4PGA JS
        SUSAP KHRLK4FR13-Y R      020BUVTEK4EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KHRLK4FR13-Y R      021WOKBIK4EA0E S  031TF                    13060024    V 0092000921        -300          A JS
        SUSAP KHRLK4FR13-Y R      030RW13 K4PG0GY M 031TF                    13060026      00093             -300          A JS
        SUSAP KHRLK4FR13-Y R      040         0  M     CA                    1306        + 00284                          A JS
        SUSAP KHRLK4FR13-Y R      050AMAPEK4EA0EY      DF                               + 02000                          A JS
        SUSAP KHRLK4FR13-Y R      060AMAPEK4EA0EE  R   HM                    31070040    + 02000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4GRW13    0072571306 N26135947W097395028+0000    -00123000340000059150R
```

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4PR13-Y RW13 001Y0000W13A0N2613594665W09739502830-001230300N2612555800W097384100001067505360005 90F400500E015CDE8
        SUSAP KHRLK4PR13-Y RW13 002E      +00105+00105LPV       78230
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4SRW13 K4PG                0   18018002625                                                                        M
```

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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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	RWY	THRESHOLD ELEVATION	TCH
	RW13	00034	59

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

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	MFE VOR/DME	FAMVI	1. TOWER (48-007823)	261509.00N/0975523.00W	820 (5D)	1000	AT780	2600
			2. TERRAIN	261207.00N/0981353.00W	131 (100)		AS1500	1600
FEEDER	JIMIE	HIRTA	3. TOWER (48-003885)	264113.38N/0974552.62W	524 (2C)	1000	AT1076	2600
			4. TERRAIN	264430.00N/0974603.00W	33 (0)		AS1500	1500
INITIAL	FAMVI	CAKOB	1. TOWER (48-007823)	261509.00N/0975523.00W	820 (5D)	1000	AT180	2000
			5. TERRAIN	261400.00N/0975524.00W	66 (100)		AS1500	1600
INITIAL	HIRTA	CAKOB	6. TOWER (48-004396)	262518.00N/0974641.00W	534 (5D)	1000	AT466	2000
			7. TERRAIN	262200.00N/0974930.00W	50 (100)		AS1500	1600
INTERMEDIATE	CAKOB (IF/IAF)	BUVTE	8. TOWER (48-010189)	261939.42N/0974700.09W	370 (5D)	500	AT830	1700
			9. TERRAIN	261942.80N/0974821.00W	50 (100)		AS1500	1600
FINAL: LPV	BUVTE	RW13	10. TREE (KHRL0003)	261403.22N/0974001.45W	69 (1A)	34:1		284/250
FINAL: LNAV/VNAV	BUVTE	RW13	11. BLDG (KHRLT0091)	261429.39N/0974015.72W	45 (1A)	23.44:1	MA23	327/293
FINAL: LNAV	BUVTE	WOKBI/2.60 NM TO RW13	12. AAO	261617.21N/0974233.82W	239 (2C)	250	RA42 DG389	920
2. HOLD-IN-LIEU-OF-PT	CAKOB	P-4	6. TOWER (48-004396)	262518.00N/0974641.00W	534 (5D)	1000	AT466	2000
			14. TERRAIN	262245.00N/0975557.00W	69 (100)		AS1500	1600
3. MISSED APPROACH MAP:	DA / DA / RW13	AMAPE	15. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	ASC		2000
			16. TOWER (48-002581)	260633.00N/0972845.00W	320 (5D)	1000		1400
ELEV:	92/166/340		17. TERRAIN	261357.00N/0974018.00W	33 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	464	15. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY B	1.5 NM		450		464	15. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY C	1.7 NM		450		464	15. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY D	2.3 NM		550		644	18. TOWER (48-002527)	261234.00N/0974146.00W	362 (1A)	300		680
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW13

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-004005)	225/ 12.4	1547 (1A)	2600					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARLINGEN, TX	ELEVATION: 36 AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 2	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
HRL TOWER VALLEY APP CON SATISFACTORY ON:	[ ] NWS OTHER: ASOS [ ] FAA [ ] A/C	SOURCE: KHRL / KPIL DISTANCE: 0 / 17.08 HOURS REMOTE OPERATION: 24 / 24
[X] VHF [X] UHF [ ] HF	LOCATION: KHRL	ADJUSTMENT: 0 / 42

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 17R (PCL)
	X	HIRL 17R, 35L
	X	MIRL 31, 35R, 13, 17L
	X	REIL 13, 17L
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 31, 13, 35L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 17R, 35L
	INSTRUMENT	NPI-G 31, 35R, 13, 17L
7. RUNWAY VISUAL RANGE	APPROACH	17R
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 34.4
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 59.0

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: **NONE**

PART D - PREPARED BY: **JILL OLSON (NICHOLAS K. JACKSON)**	DATE: **05/14/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-353**

PART C - REMARKS:

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/59.0

RASS PRESSURE PATTERNS SAME
KHRL 36.3FT, KPIL 18.6FT
RA = 41.8.
SEE ATTACHED AIRSPACE LETTER.

TAA NOT DEVELOPED BECAUSE OF CLOSE PROXIMITY OF INTERNATIONAL BORDER WITH MEXICO, RESTRICTED AREAS

AVERAGE VEGETATION HEIGHT IS 50FT PER FPT CHECKLIST

LPV SURFACE: 34:1

LNAV/VNAV SURFACE: 23.44:1

KHLR AND KPIL ARE ON SERVICE A

NO HISTORICAL WEATHER DATA AVAILABLE

ISA DEVIATION STANDARD -30 UTILIZED

LPV, LNAV/VNAV AND LNAV INTERMEDIATE AND MISSED CONTROLLING OBSTRUCTIONS ARE THE SAME

PROCEDURE EVALUATION CONDUCTED IN IPDS TO RETAIN CURRENT INTERMEDIATE FIX (CAKOB) LOCATION TO COINCIDE WITH RNAV (RNP) Z RWY 13 FIX LOCATION. LPV DA ADJUSTED DUE TO POFZ PENETRATION. MIN HATH IS 250' PER 8260.54A PARA 2.18.

POFZ OBSTACLES:
KHRLT0041 NAVAID 261358N/0973952W 2.60'
KHRLT0040 NAVAID 261401N/0973949W 0.60'

TERPS, VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:

34:1
72 TREE (KHRLT0049) 261403.36N/0974002.45W (12.44)
69 TREE (KHRL0003) 261403.22N/0974001.45W (11.61)

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV STEPDOWN	**WOKBI/2.60 NM TO**	**RW13**	**13. TK (KHRLT0228)**	**261456.03N/0974124.13W**	**178 (1A)**	**250**		**440**
	RW13							

3. MISSED APPROACH					
	MAP:				
	ELEV:				

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.		
		REQUIRED	ACTUAL	
CATEGORY A	1.3 NM	350		
CATEGORY B	1.5 NM	450		
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARLINGEN, TX	**ELEVATION: 36** AIRPORT NAME: **VALLEY INTL**	**RNAV**	**RNAV (GPS) Y RWY 13, AMDT 2**	**ASW**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
☐	**ALS**
☐	**(S) SALS**
☐	**MALS**
☐	**HIRL**
☐	**MIRL**
☐	**REIL**
☐	**TDZ**
☐	**C/LINE**
☐	**OTHER (SPECIFY)**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: AMAPE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 260515.40N/0973022.96W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	130.70	310.70	R		4	2000	6000	4	6
2	SE		WP	130.71	310.71	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-007992)	260303.00N/0973111.00W	549	5D
2	200	TOWER (48-007992)	260303.00N/0973111.00W	549	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 13		1	KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 31			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
HOLDING PATTERN 2 ADDED

DEVELOPED BY: **DATE:** 07/11/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: BUVTE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261736.44N/0974345.80W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
REMOVED KHRL R13 AS FAC 1
FIX MOVED 447.83 FEET NORTHWEST, COORDINATES UPDATED

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: CAKOB **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 262151.16N/0974822.79W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW		WP	310.57	130.57	R		4	2000	6000	4	6
2	NW		WP	310.56	130.56	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-004396)	262518.00N/0974641.00W	534	5D
2	200	TOWER (48-004396)	262518.00N/0974641.00W	534	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31		2	KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 13			KHRL	HARLINGEN	TX (US)
IAP	RNAV (RNP) Z RWY 31		1	KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED HOLDING PATTERN 2

DEVELOPED BY: **DATE:** 07/10/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: FAMVI **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261449.60N/0975619.26W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: HIRTA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 262852.27N/0974025.36W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: JIMIE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 264449.66N/0974434.89W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MC ALLEN	MFE	VOR/DME	H	028.90	037.90	43.53	43.53		4000	17500
2	HARLINGEN	HRL	VOR/DME	L	346.02	351.02	31.37	31.37		1700	17500
3	BROWNSVILLE	BRO	VORTAC	H	329.15	338.15	53.08	53.08		4000	17500
4	CORPUS CHRISTI	CRP	VORTAC	H	184.00	193.00		71.01		6000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BRO	VORTAC	R-329	54	4000	17500
CRP	VORTAC	R-184	72	6000	17500
MFE	VOR/DME	R-029	44	4000	14600

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
BROWNSVILLE (FAC 3) AND MC ALLEN (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-20	1				(US)
EN ROUTE	V-407	2				(US)
EN ROUTE	V-70	3				(US)
IAP	RNAV (GPS) RWY 14			KEBG	EDINBURG	TX (US)
IAP	RNAV (GPS) RWY 32			KEBG	EDINBURG	TX (US)
IAP	RNAV (GPS) RWY 35			KBKS	FALFURRIAS	TX (US)
IAP	RNAV (GPS) Y RWY 13			KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 17R			KHRL	HARLINGEN	TX (US)
IAP	DIAMOND O RANCH - NDB-A (SPECIAL)			KXS93	SANTA ELENA	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
DELETED FAC 4 BATVE, TX
ADDED FAC 4 CRP
UPDATED ESV DATA
ADDED DISTANCE FROM FAC FOR FAC'S 1, 2, 3, 4
UPDATED FIX USE.
FIX MOVED 12.71 FEET NORTH.

DEVELOPED BY: **DATE:** 11/30/2011 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (STEVE VANCAMP)

APPROVED BY: **DATE:** 04/02/2012 **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: VALLEY APCH
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MC ALLEN VOR/DME **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261025.95N/0981426.83W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MC ALLEN	MFE	VOR/DME	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	MFE	VOR/DME	311.00	131.00	L	1		2000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-012928)	260923.00N/0981905.00W	590	

REASON FOR NONSTANDARD HOLDING:
PAT 1 MEXICO AND US BOUNDARY

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13					(US)
EN ROUTE	V17					(US)
EN ROUTE	V20					(US)
EN ROUTE	V387					(US)
IAP	RNAV (GPS) Y RWY 13		1	KHRL	HARLINGEN	TX (US)
IAP	RNAV (GPS) Y RWY 31		1	KHRL	HARLINGEN	TX (US)
IAP	ILS OR LOC RWY 31			KMFE	MC ALLEN	TX (US)
IAP	VOR RWY 13			KMFE	MC ALLEN	TX (US)
IAP	VOR RWY 31			KMFE	MC ALLEN	TX (US)
IAP	VOR/DME-A			KT65	WESLACO	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
UPDATED FIX USE.
ADDED IN REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ADDED IN HOLDING RESTRICTION: HOLDING LIMITED TO ESTABLISHED PATTERNS.
UPDATED HOLDING OBSTACLE ID.
CHANGED HOLDING PATTERN CRS INBOUND FROM 134 TO 131.
CHANGED HOLDING PATTERN RAD/CRS/BRG FROM 314 TO 311.

DEVELOPED BY: **DATE:** 08/12/2010 **OFFICE:** AVN-120 **NAME:** MARCELLO SADORRA (MARY LYNNE HOEGSTROM)

APPROVED BY: **DATE:** **OFFICE:** AVN-120 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: MFE, CRP
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WOKBI **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261551.30N/0974151.63W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (NICHOLAS JACKSON)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HRL ATCT
OTHER: VALLEY APP CON

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **HARLINGEN** STATE: **TX**

AIRPORT NAME: **VALLEY INTL** ID: **KHRL**

PROCEDURE: **RNAV (GPS) Y RWY 13** AMDT: **2**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.85**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **135.60**
4. High Terrain in **FINAL** segment containing 1000' point **39**
5. Distance from **THLD** to 1500' point **4.64**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **135.60**
8. High Terrain in **FINAL** segment containing 1500' point **39**
9. Threshold Coordinates (if straight-in) ... **261359.47N** / **0973950.28W**
10. ARP Coordinates ..... **261337.60N** / **0973918.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **17R**
    Distance **.82** NM
12. FAF Coordinates ..... **261736.44N** / **0974345.80W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

NAME: APUGE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 261820.47N/0975221.19W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CAKOB					225.57	5.00				17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/24/2003

REASON FOR REVISION:
FIX MOVED 5905.19 FT NW.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HRL
OTHER: VALLEY APCH

RADIO FIX AND HOLDING DATA RECORD

NAME: BATVE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 262521.73N/0974424.15W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	CAKOB					045.57	5.00				17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GSP) RWY 13			KHRL	HARLINGEN	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 10/30/2003

REASON FOR REVISION:
FIX MOVED 5899.15 FT NW.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HRL
OTHER: VALLEY APCH