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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MFE VOR/DME	APUGE (FB)	063.27 / 21.37	2600
JIMIE	BATVE (FB)	174.52 / 19.41	2600
APUGE (IAF)	CAKOB (NOPT) (FB)	040.54 / 5.00	2000
BATVE (IAF)	CAKOB (NOPT) (FB)	220.60 / 5.00	2000
CAKOB (IF/IAF)	BUVTE (FB)	130.57 / 6.00	1700
BUVTE (FAF)	RW13 (MAP) (FO)	130.60 / 5.00	
RW13 (MAP)	421 MSL	130.60	
421 MSL	AMAPE (FO)		2000

MISSED APPROACH

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, 130.57 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 130.60 FAF: BUVTE DIST FAF TO MAP: 4.97 THLD: 4.97
4. MIN. ALT: CAKOB 2000, BUVTE 1700
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, 310.70 INBOUND.
CHART FAS OBST: 72 TREE 261403N/0974002W
CHART FAS OBST: 178 TANK 261456N/0974124W
DISTANCE TO THLD FROM 386 HAT: 1.03 NM.
CHART VDP AT 1.09 MILES TO RW13*
*LNAV ONLY.

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
LNAV/VNAV DA	421	1 1/4	386	421	1 1/4	386	421	1 1/4	386	421	1 1/4	386			
LNAV MDA	440	1	405	440	1	405	440	1 1/4	405	440	1 1/4	405			
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 TDZE: 35	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
HARLINGEN, TX	AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	AMDT: 1
				DATED 10/30/2003

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: JILL OLSON (STEPHEN PETERSON)	FIFO AJV-353	DATE: 04/05/2012

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

CHANGES:

1. CHANGED PROCEDURE NAME FROM "RNAV (GPS) RWY 13" TO "RNAV (GPS) Y RWY 13."
2. ADDED UPPER LIMIT TO UNCOMPENSATED BARO-VNAV NOTE.
3. REMOVED GPS OR RNP-0.3 REQUIRED NOTE.
4. ADDED BACKUP ALTIMETER BY NOTE.
5. AUTHORIZED ALTERNATE MINIMUMS.
6. REMOVED V20 FROM PROCEDURE NA FOR ARRIVALS AT JIMIE NOTE.
7. RAISED LNAV/VNAV DA FROM 360 TO 421.
8. ADDED "VISIBILITY REDUCTION BY HELICOPTERS NA" NOTE.

REASONS:

1. REQUIRED FOR PUBLICATION OF RNAV (RNP) PROCEDURE TO THIS RUNWAY.
2. REQUIRED FOR UNCOMPENSATED BARO-VNAV SYSTEMS.
3. PROCEDURE IS GPS ONLY.
4. APPLIED 8260.19D PARAGRAPH 855F.
5. PROCEDURE MEETS 8260.19D PARAGRAPH 853B PARAMETERS.
6. ENTRY FROM THE NA DIRECTION IS POSSIBLE FROM MFE VOR/DME.
7. NEW SURVEY/NEW CONTROLLING OBSTACLES.
8. REQUIRED FOR 34:1 VISUAL SURFACE PENETRATIONS.

08/09/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/08/2012.
ON THE 8260-10, CHANGED THE TDZE FROM 36 TO 35 TO MATCH THE 8260-3.

-3 PDF EDITS

1. ADDED (FAF) TO BUVTE IN TERMINAL ROUTES.
2. CHANGED MISSED APPROACH ALTITUDE TO 2000 IN TERMINAL ROUTES.

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NOTES, (CONT.):
INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV NA WITH PORT ISABEL ALTIMETER SETTING.
CHART NOTE: 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 VOR ARRIVALS ON MFE VOR/DME AIRWAY RADIALS 051 CW 075.

CITY AND STATE	ELEVATION: 36 TDZE: 35 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
HARLINGEN, TX	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	SUP: RNAV (GPS) RWY 13 AMDT: 1 DATED: 10/30/2003

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

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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        MFE   K4011720VDHW N26102595W098142683    N26102595W098142683E0090001002     NARMC ALLEN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMAPE K40    W     N26051540W097302296                    E0043     NAR           AMAPE
        SUSAEAENRT   APUGE K40    W     N26182047W097522119                    E0045     NAR           APUGE
        SUSAEAENRT   BATVE K40    W     N26252173W097442415                    E0045     NAR           BATVE
        SUSAEAENRT   BUVTE K40    W     N26173326W097434237                    E0045     NAR           BUVTE
        SUSAEAENRT   CAKOB K40    W     N26215116W097482279                    E0045     NAR           CAKOB
        SUSAEAENRT   JIMIE K40    C   L N26444974W097443500                    E0045     NAR           JIMIE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4AHRL     0     083YHN26133760W097391850E005000036         1800018000C    MNAR    VALLEY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        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 020BATVEK4EA0E  A 020TF                    17450194    + 02600                          A JS
        SUSAP KHRLK4FR13-Y AJIMIE 030CAKOBK4EA0EE B 010TF                    22060050    + 02000                          A JS
        SUSAP KHRLK4FR13-Y AMFE   010MFE  K4D 0V       IF                                            18000                A JS
        SUSAP KHRLK4FR13-Y AMFE   020APUGEK4EA0E  A 020TF                    06330214    + 02600                          A JS
        SUSAP KHRLK4FR13-Y AMFE   030CAKOBK4EA0EE B 010TF                    04050050    + 02000                          A JS
        SUSAP KHRLK4FR13-Y R      010CAKOBK4EA0E  I    IF                                + 02000     18000                A JS
        SUSAP KHRLK4FR13-Y R      020BUVTEK4EA1E  F 051TF                    13060060    + 01700                 RW13  K4PGA JS
        SUSAP KHRLK4FR13-Y R      020BUVTEK4EA2WN          ALNAV/VNAV ALNAV                                                JS
        SUSAP KHRLK4FR13-Y R      030RW13 K4PG0GY M 031TF                    13060050      00093             -300          A JS
        SUSAP KHRLK4FR13-Y R      040          0  M     CA                   1306        + 00421                          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  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4GRW13    0072571306 N26135947W097395028+0000    -0012300034000059150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

CITY AND STATE	ELEVATION: 36 TDZE: 35	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
HARLINGEN, TX	AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	AMDT: 1
				DATED: 10/30/2003

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

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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```
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHRLK4SRW13 K4PG              0   18018002625                                                                        M
```

CITY AND STATE	ELEVATION: 36 TDZE: 35	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
HARLINGEN, TX	AIRPORT NAME: VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	AMDT: 1
				DATED: 10/30/2003

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

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	BATVE	020	IAF	TF		FB	2.0	174.5(179.5T)	019.4	AA 02600	
	JIMIE	CAKOB	030		TF		FB	1.0	220.6(225.6T)	005.0	AA 02000	
	MFE	MFE	010		IF		FB					
	MFE	APUGE	020	IAF	TF		FB	2.0	063.3(068.3T)	021.4	AA 02600	
	MFE	CAKOB	030		TF		FB	1.0	040.5(045.5T)	005.0	AA 02000	
		CAKOB	010	FACF	IF		FB				AA 02000	
		BUVTE	020	FAF	TF		FB	0.5	130.6(135.6T)	006.0	AA 01700	
		RW13	030	MAP	TF		FO	0.3	130.6(135.6T)	005.0	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 00421	
	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
	APUGE	N261820.47	W0975221.19	N2618.341	W09752.353
	BATVE	N262521.73	W0974424.15	N2625.362	W09744.403
	BUVTE	N261733.26	W0974342.37	N2617.554	W09743.706
	CAKOB	N262151.16	W0974822.79	N2621.853	W09748.380
	JIMIE	N264449.74	W0974435.00	N2644.829	W09744.583
	RW13	N261359.47	W0973950.28	N2613.991	W09739.838

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00034	59

CITY AND STATE	ELEVATION: 36	TDZE: 35	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 13
HARLINGEN, TX	AIRPORT NAME: VALLEY INTL		RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	AMDT: 1
					DATED: 10/30/2003

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

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	APUGE	1. TOWER (48-007823)	261509.00N/0975523.00W	820 (5D)	1000	AT780	2600
			2. TERRAIN	261230.00N/0981633.00W	138 (100)		AS1500	1600
FEEDER	JIMIE	BATVE	3. TOWER (48-003885)	264113.38N/0974552.62W	524 (2C)	1000	AT1076	2600
			4. TERRAIN	264403.00N/0974824.00W	40 (0)		AS1500	1500
INITIAL	APUGE	CAKOB	5. TOWER (48-010103)	261510.00N/0974953.00W	358 (2C)	1000	AT642	2000
			6. TERRAIN	262027.00N/0975618.00W	66 (100)		AS1500	1600
INITIAL	BATVE	CAKOB	7. TOWER (48-004396)	262518.00N/0974641.00W	534 (5D)	1000	AT466	2000
			8. TERRAIN	262200.00N/0974930.00W	50 (100)		AS1500	1600
INTERMEDIATE	CAKOB (IF/IAF)	BUVTE	9. TOWER (48-010189)	261939.42N/0974700.09W	370 (5D)	500	AT830	1700
			10. TERRAIN	262200.00N/0974930.00W	50 (100)		AS1500	1600
FINAL: LNAV/VNAV	BUVTE	RW13	11. TREE (KHRLT0049)	261403.36N/0974002.45W	72 (1A)	PDA	MA99	421/386
FINAL: LNAV	BUVTE	RW13	12. TANK (KHRLT0228)	261456.03N/0974124.13W	178 (1A)	250		440
2. HOLD-IN-LIEU-OF-PT	CAKOB	P-4	7. TOWER (48-004396)	262518.00N/0974641.00W	534 (5D)	1000	AT466	2000
			13. TERRAIN	262245.00N/0975557.00W	69 (100)		AS1500	1600
3. MISSED APPROACH — MAP:	DA / RW13	AMAPE	14. TOWER (48-014654)	261538.56N/0973940.70W	145 (1A)	ASC		2000
			15. TOWER (48-010916)	260901.50N/0973058.74W	340 (2C)	1000		1400
ELEV:	146/190		16. TERRAIN	260942.00N/0973903.00W	37 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	464	17. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY B	1.5 NM	450	464	17. TANK (48-004834)	261325.00N/0973953.00W	191 (1B)	300		500
CATEGORY C	1.7 NM	450	464	17. 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					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 36 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HARLINGEN, TX	VALLEY INTL	RNAV	RNAV (GPS) Y RWY 13, AMDT 1A	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
HRL TOWER VALLEY APP CON		N W S	OTHER: ASOS	SOURCE: KHRL / KPIL
		F A A		DISTANCE: 0 / 17.08
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / 24
X V H F X U H F H F	LOCATION: KHRL			ADJUSTMENT: 0 / 42

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		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 (STEPHEN PETERSON)	DATE: 04/05/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NO ADDITIONAL AIRSPACE REQUIRED.
RASS PRESSURE PATTERNS SAME
KHRL 36.3FT, KPIL 18.6FT
RA = 41.77.

LNAV/VNAV
INNER SLOPE: 23.4:1
OUTER SLOPE: 34:1

ISA DEVIATION: -30C

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

ASSUMED VEGETATION HEIGHT: 50FT PER FPT.

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)

QUALITY 1 CHECKED