

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - 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				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	RNP: DA			
CAKOB (IAF)	TARGE (TF) (FB) (RNP 1.00)	130.57 / 4.81	1900	CLIMB TO 2000 ON TRACK 130.63 TO AMAPE AND HOLD.			
TARGE (IF)	HUTES (TF) (FB) (RNP 1.00)	130.59 / 3.00	1100				
ORFEN (IF)	CERLI (TF) (FB) (RNP 1.00)	204.44 / 4.19	1900	<b>ADDITIONAL FLIGHT DATA:</b> HOLD SE, RT, 310.70 INBOUND. CHART FAS OBST: 83 TREE 261357N/0974045W CHART 37 NAVAID 261358N/0973952W CHART 35 NAVAID 261401N/0973949W DISTANCE TO THLD FROM 267 HATH: 0.65 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S CHART MINIMUM 3000 AT CAKOB CHART MINIMUM 3000 AT ORFEN #TCH 93.4 MSL (DO NOT CHART)			
CERLI	HUTES (RF) (FB) (RNP 1.00)	(2.01 NM RADIUS CCW CFPQS)/2.59	1100				
HUTES (FAF)	RW13 (MAP) (TF) (FO)	130.61 / 3.16	2000				
RW13 (MAP)	AMAPE (TF) (FO) (RNP 1.00)	130.63 / 12.17					

  

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. PROFILE STARTS AT HUTES	
3. FAC: 130.61 FAF: _____	DIST FAF TO MAP: _____ THLD: _____
4. MIN. ALT: HUTES 1100	
5. DIST TO THLD FROM OM: 3.16 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 1100 GS ALT AT: HUTES 1100 OM: _____ MM: _____ IM: _____	
7. GS ANGLE: 3.00 TCH: 59.0# 34:1 IS NOT CLEAR	
8. MSA FROM: RW13 2600	

  

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

  

AUTHORIZATION REQUIRED															
RNP 0.15 DA	301	7/8	267	301	7/8	267	301	7/8	267	301	7/8	267			
RNP 0.30 DA	392	1 1/8	358	392	1 1/8	358	392	1 1/8	358	392	1 1/8	358			

  

**NOTES:**  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 54C (130F).  
 CHART NOTE: GPS REQUIRED.  
 CHART PLANVIEW NOTE AT CERLI : MAX 210 KIAS.  
 CHART PLANVIEW NOTE: RADAR REQUIRED.  
 (SEE FORM 8260-10)

  

CITY AND STATE HARLINGEN, TX	ELEVATION: 36 THRE: 34	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 13, ORIG 20 SEPTEMBER 2012	SUP:
	AIRPORT NAME: VALLEY INTL			AMDT: NONE
	DATED			

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RNAV (RNP) - STANDARD,  
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART PLANVIEW NOTE ADJACENT TO ORFEN: RF REQUIRED.

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE

HARLINGEN, TX

ELEVATION: 36

THRE: 34

AIRPORT NAME:

VALLEY INTL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 13, ORIG  
20 SEPTEMBER 2012

SUP:

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DATED:

[illegible]

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

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	CAKOB	CAKOB	010	IAF	IF		FB				AA 03000	
	CAKOB	TARGE	020		TF		FB	1.0			AA 01900	
	CAKOB	HUTES	030		TF		FB	1.0			AA 01100	
	ORFEN	ORFEN	010		IF		FB				AA 03000	
	ORFEN	CERLI	020		TF		FB	1.0			AA 01900	AB 210
	ORFEN	HUTES	030		RF	L	FB	1.0		002.6	AA 01100	
		HUTES	020	FAF	IF		FB				AA 01100	
		RW13	030	MAP	TF		FO	0.3			AT 00093	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AMAPE	040		TF		FO	1.0			AA 02000	
	AMAPE	050		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
	AMAPE	N260515.40	W0973022.96	N2605.257	W09730.383
	CAKOB	N262151.16	W0974822.79	N2621.853	W09748.380
	CERLI	N261839.46	W0974238.81	N2618.658	W09742.647
	CFPQS	N261740.03	W0974041.93	N2617.667	W09740.699
	HUTES	N261615.42	W0974217.83	N2616.257	W09742.297
	ORFEN	N262218.90	W0974021.40	N2622.315	W09740.357
	TARGE	N261824.41	W0974437.94	N2618.407	W09744.632
	RW13	N261359.47	W0973950.28	N2613.991	W09739.838

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00034	59

CITY AND STATE <b>HARLINGEN, TX</b>	ELEVATION: <b>36</b>	THRE: <b>34</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: <b>RNAV (RNP) Z RWY 13, ORIG 20 SEPTEMBER 2012</b>	SUP:
	AIRPORT NAME: <b>VALLEY INTL</b>				AMDT: <b>NONE</b>
					DATED: