Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 12/10/2012	Task #: 2012121024663801002	Request #: 20121210246638
Procedure: RNAV (GPS) RWY 26 ORIG		Airport ID: KHYI	Airport: SAN MARCOS MUNI		Reimbursable #:
City: SAN MARCOS	ST: TX	GPS #:		Estimated Chart Date: 06/27/2013	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: THERON CYRUS			

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/14/2012	02/21/2013	CASIMIR TABAKA	
QA:	02/21/2013	02/21/2013	CASIMIR TABAKA	
Liaison:	02/21/2013		Spurlin	

Procedure Comments: ENROUTE-NON **Remark Type:** INFORMATION

Pg 2 of 2

SAN MARCOS, TX SAN MARCOS MUNI (KHYI) RNAV (GPS) RWY 26, ORIG (LPV) ENROUTE-NO FC: 5.14.13 PUB: 6.27.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): NAKIC, ORIG; QIMIB, ORIG; RAJRY, ORIG; TUROC, ORIG.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

RNAV (GPS) RWY 26

SAN MARCOS MUNI (HYI)

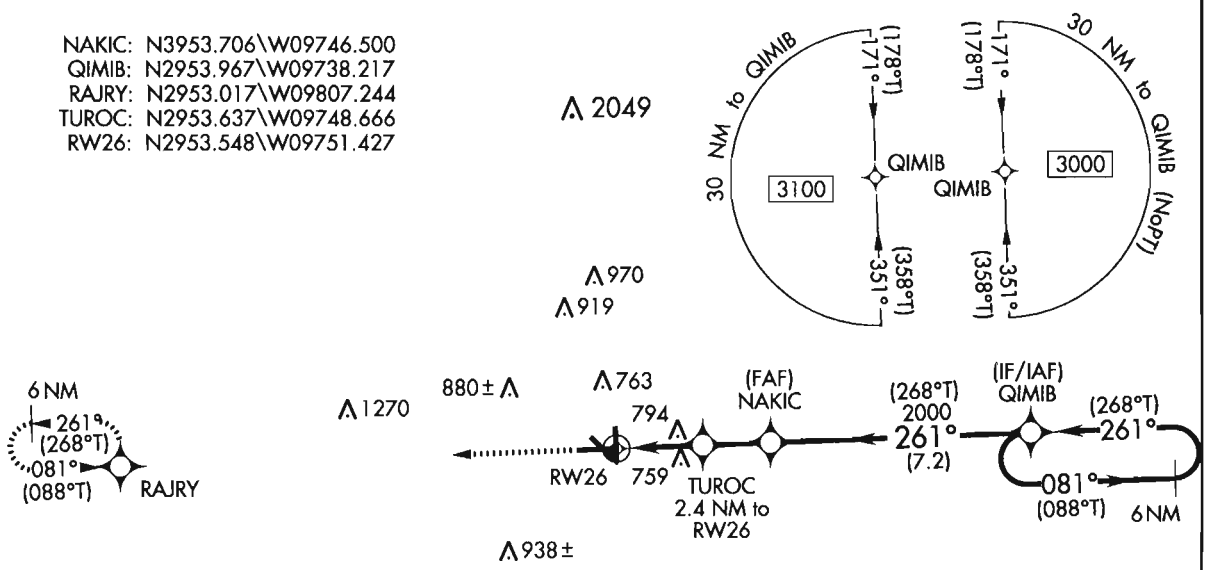
WAAS CH 78332 W26A	APP CRS 261°	Rwy ldg 6330 THRE 580 Apt Elev 595

Baro-VNAV NA when using New Braunfels altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (3°F) or above 54°C (130°F). When local altimeter setting not received, use New Braunfels altimeter setting and increase all DA 43 feet and all MDA 60 feet; increase LPV and LNAV/VNAV all Cats, and LNAV Cat C/D/E visibility ⅛ mile and Circling Cat C/D visibility ¼ mile. DME/DME RNP-0.3 NA. VDP NA with New Braunfels altimeter setting. Helicopter visibility reduction below ¾ SM NA. Circling NA for Cat E SW of RW13-31.

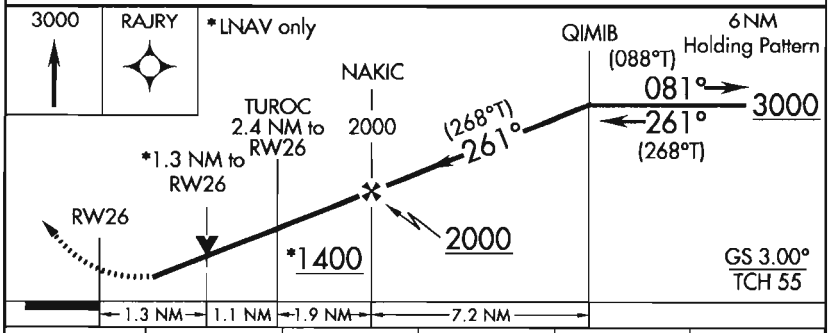
MISSED APPROACH: Climb to 3000 direct RAJRY and hold.

AWOS-3	AUSTIN APP CON	SAN MARCOS TOWER ★	GND CON	CLNC DEL
120.825	119.0 370.85	126.825 (CTAF) L	120.125	121.35

NAKIC: N3953.706\W09746.500
QIMIB: N2953.967\W09738.217
RAJRY: N2953.017\W09807.244
TUROC: N2953.637\W09748.666
RW26: N2953.548\W09751.427

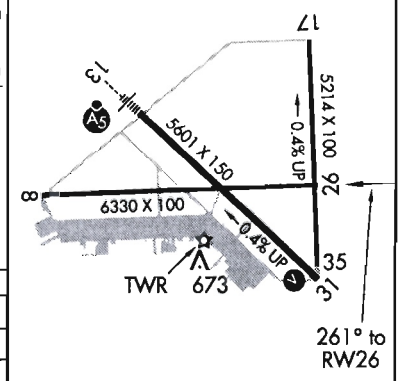


PROTOTYPE-NOT FOR NAVIGATION



CATEGORY	A	B	C	D	E
LPV DA	830-¾ 250 (300-¾)				
LNAV/VNAV DA	859-⅞ 279 (300-⅞)				
LNAV MDA	1060-1 480 (500-1)		1060-1⅜ 480 (500-1⅜)		
C CIRCLING	1080-1 485 (500-1)	1120-1 525 (600-1)	1240-1¾ 645 (700-1¾)	1320-2¼ 725 (800-2¼)	1340-2¾ 745 (800-2¾)

ELEV 595 | THRE 580



MIRL Rwys 8-26, 13-31, and 17-35 L

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
QIMIB (IF/IAF)	NAKIC (FB)	260.97 / 7.20	2000
NAKIC (FAF)	TUROC/2.40 NM TO RW26 (FB)	260.90 / 1.89	
TUROC/2.40 NM TO RW26	RW26 (MAP) (FO)	260.90 / 2.40	
RW26 (MAP)	830 MSL	260.90	
830 MSL	RAJRY (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

CLIMB TO 3000 DIRECT RAJRY AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E QIMIB, LT, 260.97 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 260.90 FAF: NAKIC DIST FAF TO MAP: 4.29 THLD: 4.29
4. MIN. ALT: QIMIB 3000, NAKIC 2000, TUROC/2.40 NM TO RW26 1400*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: NAKIC 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM:

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 080.73 INBOUND.
CHART FAS OBST: 794 WATER TWR 295353N/0974928W
DISTANCE TO THLD FROM 250 HATH: 0.61 NM.
CHART VDP AT 1.33 MILES TO RW26*
*LNAV ONLY.
WAAS CHANNEL # 78332
REFERENCE PATH ID: W26A
CHART CIRCLING ICON.
LTP HAE: 150.7 M

MAG VAR: 7E EPOCH YEAR: 1985

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	830	3/4	250	830	3/4	250	830	3/4	250	830	3/4	250	830	3/4	250
LNAV/VNAV DA	859	7/8	279	859	7/8	279	859	7/8	279	859	7/8	279	859	7/8	279
LNAV MDA	1060	1	480	1060	1	480	1060	1 3/8	480	1060	1 3/8	480	1060	1 3/8	480
CIRCLING	1080	1	485	1120	1	525	1240	1 3/4	645	1320	2 1/4	725	1340	2 3/4	745

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING NEW BRAUNFELS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (3F) OR ABOVE 54C (130F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEW BRAUNFELS ALTIMETER SETTING AND INCREASE ALL DA 43 FT AND ALL MDA 60 FT; INCREASE LPV AND LNAV/VNAV ALL CATS, AND LNAV CAT C/D/E (SEE FORM 8260-10)

@ CAT D 800-2 1/4, CAT E 800-2 3/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 595 THRE: 580	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN MARCOS, TX	AIRPORT NAME: SAN MARCOS MUNI	RNAV	RNAV (GPS) RWY 26, ORIG	AMDT: NONE
				DATED

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, AUS APP CON, HYI ATCT, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: JILL OLSON (THERON CYRUS)	FIFO AJV-353	DATE: 01/09/2013

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

CHANGES:

REASONS:

PDF EDITS:
1. ADDED (FAF) TO NAKIC IN TERMINAL ROUTES ON -3.
2. REMOVED 020 FROM LINE 9 UNDER SEGMENT ON -10.
3. REMOVED 2.0 FROM LINE 3 UNDER MISSED APPROACH (RNP) ON -10.

QUALITY 2 CHECKED

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NOTES, (CONT.):
VISIBILITY 1/8 MILE AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.
CHART NOTE: CIRCLING NA FOR CAT E SW OF RWY 13-31.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VDP NA WITH NEW BRAUNFELS ALTIMETER SETTING.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	171/30 CW 351/30 (NOPT)	QIMIB (IF/IAF) (FB)	3000
2.	351/30 CW 171/30	QIMIB (IF/IAF) (FO)	3100

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 595 THRE: 580	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN MARCOS, TX	AIRPORT NAME: SAN MARCOS MUNI	RNAV	RNAV (GPS) RWY 26, ORIG	AMDT: NONE
				DATED:

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:

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	KHYI
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	295332.8505N
LTP/FTP LONGITUDE	0975125.6390W
LTP/FTP ELLIPSOIDAL HEIGHT	+01507
FPAP LATITUDE	295329.5065N
FPAP LONGITUDE	0975308.0695W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0824
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	AC14ED01

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01768
FPAP ORTHOMETRIC HEIGHT	+01768

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 595 THRE: 580	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN MARCOS, TX	AIRPORT NAME: SAN MARCOS MUNI	RNAV	RNAV (GPS) RWY 26, ORIG	AMDT: NONE
				DATED:

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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   NAKIC K40    W     N29534238W097462997                     E0044     NAR           NAKIC
        SUSAEAENRT   QIMIB K40    W     N29535799W097381303                     E0043     NAR           QIMIB
        SUSAEAENRT   RAJRY K40    W     N29530100W098071465                     E0046     NAR           RAJRY
        SUSAEAENRT   TUROC K40    W     N29533821W097483993                     E0044     NAR           TUROC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4AHYI     0     063YHN29533390W097514680E007000595         1800018000C    MNAR    SAN MARCOS MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4FR26   AQIMIB 010QIMIBK4EA0EE AL   HF                    26100060    + 03000     18000                A JS
        SUSAP KHYIK4FR26   R      010QIMIBK4EA0E  I    IF                                + 03000     18000                A JS
        SUSAP KHYIK4FR26   R      020NAKICK4EA1E  F 051TF                    26100072    + 02000                          A JS
        SUSAP KHYIK4FR26   R      020NAKICK4EA2WALPV       ALNAV/VNAV ALNAV                                                 JS
        SUSAP KHYIK4FR26   R      021TUROCK4EA0E S  031TF                    26090019    V 0140001400        -300         A JS
        SUSAP KHYIK4FR26   R      030RW26 K4PG0GY M 031TF                    26090024      00635             -300         A JS
        SUSAP KHYIK4FR26   R      040          0  M     CA                   2609        + 00830                          A JS
        SUSAP KHYIK4FR26   R      050RAJRYK4EA0EY      DF                                + 03000                          A JS
        SUSAP KHYIK4FR26   R      060RAJRYK4EA0EE  L   HM                    08070060    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4GRW26    0063302609 N29533285W097512564+0100    +015070058000005510 0R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHYIK4PR26   RW26 001 0000W26A0N2953328505W09751256390+015070300N2953295065W09753080695106750824000550F400500AC14ED01
        SUSAP KHYIK4PR26   RW26 002E      +01768+01768LPV       78332
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 595 THRE: 580	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN MARCOS, TX	AIRPORT NAME: **SAN MARCOS MUNI**	**RNAV**	**RNAV (GPS) RWY 26, ORIG**	AMDT: **NONE**
				DATED:

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
	QIMIB	QIMIB	010	IAF	HF	L	FO		261.0(268.0T)	006.0	AA 03000	
		QIMIB	010	FACF	IF		FB				AA 03000	
		NAKIC	020	FAF	TF		FB	0.5	261.0(268.0T)	007.2	AA 02000	
		TUROC	021	SDF	TF		FB	0.3	260.9(267.9T)	001.9	AA 01400 GS 01400	
		RW26	030	MAP	TF		FO	0.3	260.9(267.9T)	002.4	AT 00635	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		260.9(267.9T)		AA 00830	
	RAJRY	050		DF		FO				AA 03000	
	RAJRY	060		HM	L	FO		080.7(087.7T)	006.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	NAKIC	N295342.38	W0974629.97	N2953.706	W09746.500
	QIMIB	N295357.99	W0973813.03	N2953.967	W09738.217
	RAJRY	N295301.00	W0980714.65	N2953.017	W09807.244
	TUROC	N295338.21	W0974839.93	N2953.637	W09748.666
	RW26	N295332.85	W0975125.64	N2953.548	W09751.427

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00580	55

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: **595** THRE: **580**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN MARCOS, TX	AIRPORT NAME: **SAN MARCOS MUNI**	**RNAV**	**RNAV (GPS) RWY 26, ORIG**	AMDT: **NONE**
				DATED:

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.
STRAIGHT-IN AREA	171/30 CW 351/30	QIMIB	1. TOWER (48-008828)	295701.00N/0972214.00W	1520 (5D)	1000	AT480	3000
			2. TERRAIN	302521.00N/0974342.00W	833 (800)		AS1500	2300
STRAIGHT-IN AREA	351/30 CW 171/30	QIMIB	3. TOWER (48-005076)	300243.00N/0975251.00W	2049 (5D)	1000		3100
			4. TERRAIN	300542.00N/0981218.00W	1519 (1500)		AS1500	3000
INTERMEDIATE	QIMIB (IF/IAF)	NAKIC	5. TOWER (48-002580)	295405.60N/0974106.33W	979 (1A)	500	AT521	2000
			6. TERRAIN	295309.00N/0974648.00W	614 (600)		AS1000	1600
FINAL: LPV	NAKIC	RW26	7. TREE (KT980029)	295335.77N/0975115.05W	612 (1A)	34:1		830/250
FINAL: LNAV/VNAV	NAKIC	RW26	8. POLE (KHYIT4373)	295404.84N/0975106.90W	640 (1A)	PDA	MA29	859/279
FINAL: LNAV	NAKIC	TUROC/2.40 NM TO RW26	9. AAO	295339.00N/0974736.00W	851 (2C)	250	RA43 DG256	1400
FINAL: LNAV STEPDOWN	TUROC/2.40 NM TO RW26	RW26	10. WATER TWR (KHYIT0386)	295352.96N/0974928.23W	794 (1A)	250		1060
2. HOLD-IN-LIEU-OF-PT	QIMIB	P-7	5. TOWER (48-002580)	295405.60N/0974106.33W	979 (1A)	1000	AT1021	3000
			11. TERRAIN	295006.00N/0972639.00W	729 (700)		AS1500	2200
3. MISSED APPROACH MAP:	DA / DA / RW26	RAJRY	12. BLDG (KHYIT4354)	295320.29N/0975155.44W	698 (1A)	ASC		3000
			13. AAO	295445.00N/0980827.00W	1539	1000		2600
ELEV:	641/698/960		14. TERRAIN	295445.00N/0980827.00W	1339 (1300)		AS1500	2800
			15. TANK (48-005827)	295514.00N/0975152.00W	763 (1A)	300		1080
			16. ANT (KHYIT4334)	295546.58N/0975154.91W	804 (1A)	300		1120
			17. TOWER (48-007328)	295502.00N/0975451.00W	880 (4D)	300	AC50	1240
			18. AAO	295621.00N/0975521.00W	1010 (2C)	300		1320
			19. AAO	295642.00N/0975633.00W	1030 (2C)	300		1340

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL	
CATEGORY A	1.3 NM	350		485
CATEGORY B	1.5 NM	450		525
CATEGORY C	1.7 NM	450		645
CATEGORY D	2.3 NM	550		725
CATEGORY E	4.5 NM	550		745

5. MINIMUM SAFE ALTITUDES

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

PRIMARY NAVAID:

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 595 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SAN MARCOS, TX	SAN MARCOS MUNI	RNAV	RNAV (GPS) RWY 26, ORIG	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZHU ARTCC AUS APP CON AUS TOWER	NWS / FAA / A/C — OTHER: AWOS-3	SOURCE: KHYI / KBAZ DISTANCE: 0 / 14.65 HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON: X VHF, X UHF, HF	LOCATION: KHYI	ADJUSTMENT: 0 / 43

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 13 (PCL)
		HIRL
	X	MIRL 17 (PCL), 31 (PCL), 13 (PCL), 08 (PCL), 35 (PCL), 26 (PCL)
	X	REIL 08 (PCL), 26 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) VASI-4L 31 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 31, 13
	INSTRUMENT	NPI-G 17, 08, 35, 26
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 580.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 55.0
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 (THERON CYRUS)	DATE: 01/09/2013
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

ISA DEVIATION USED: -30C (-22F)

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: NONE.

3.00/55 USED PER FPT.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.
CAT A: 1.30NM
CAT B: 1.83NM
CAT C: 2.87NM
CAT D: 3.75NM
CAT E: 4.69NM

REQUEST FC VERIFICATION OF OBS #16 FOR 4D ACCURACY CODE.

BLOCK2, WEATHER SERVICE:
OTHER: AWOS/ASOS
SERVICE A: Y/Y

RASS PRESSURE PATTERN SAME.
KHYI 595, KBAZ 658
RA =42.55

40 FT VEGETATION USED PER FPT.

SEE ATTACHED AIRSPACE LETTER.

ISA DEVIATION USED: -30C (-22F). NO CONSISTENT 5 YEAR OR 3 YEAR HISTORICAL DATA AVAILABLE. AVERAGE COLD TEMPERATURE BASED ON STANDARD -30 ISA DEVIATION.

BARO-VNAV HIGH TEMPATURE DERIVED USING AFS-400 CACULATOR.

LPV AND LNAV/VNAV POFZ PENETRATION OBS: 583 SIGN (KHYIT0008) 295335.33N/0975125.73W

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1
RWY 26
612 TREE (KT980029) 295335.77N/0975115.05W (10.16)

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NAKIC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295342.38N/0974629.97W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26			KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 01/09/2013 **OFFICE:** AJV-353 **NAME:** JILL OLSON (THERON CYRUS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS APP CON, HYI ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: QIMIB **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295357.99N/0973813.03W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	E		WP	080.97	260.97	L		6	3000	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-002580)	295405.60N/0974106.33W	979	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING RESTRICTED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26		1	KHYI	SAN MARCOS	TX (US)
IAP	RNAV (GPS) RWY 8		1	KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 01/10/2013 **OFFICE:** AJV-353 **NAME:** JILL OLSON (THERON CYRUS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS APP CON, HYI ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAJRY **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295301.00N/0980714.65W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	W		WP	260.73	080.73	L		6	3000	6000	7	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-001049)	294936.40N/0980700.00W	1728	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

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) RWY 26		1	KHYI	SAN MARCOS	TX (US)
IAP	RNAV (GPS) RWY 8		1	KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 01/10/2013 **OFFICE:** AJV-353 **NAME:** JILL OLSON (THERON CYRUS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS APP CON, HYI ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUROC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295338.21N/0974839.93W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 26			KHYI	SAN MARCOS	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 06/27/2013

DEVELOPED BY: **DATE:** 01/09/2013 **OFFICE:** AJV-353 **NAME:** JILL OLSON (THERON CYRUS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: AUS APP CON, HYI ATCT
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SAN MARCOS** STATE: **TX**

AIRPORT NAME: **SAN MARCOS MUNI** ID: **KHYI**

PROCEDURE: **RNAV (GPS) RWY 26** AMDT: **ORIG**

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 **3.34**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.25**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **267.90**
4. High Terrain in **FINAL** segment containing 1000' point **676**
5. Distance from **THLD** to 1500' point **9.69**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **267.97**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **614**
9. Threshold Coordinates (if straight-in) ... **295332.85N** / **0975125.64W**
10. ARP Coordinates ..... **295333.90N** / **0975146.80W**
11. Runway Approach End and distance furthest from ARP.....RWY **8**
    Distance **0.74** NM
12. FAF Coordinates ..... **295342.38N** / **0974629.97W**
    (Click to Select)

REMARKS: Approach/Drawing attached. TAA: QIMIB: 295357.99N/0973813.03W