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
KILSE (IAF)	JINGA (FB)	255.45 / 10.00	2200
OCADO (IAF)	JINGA (FB)	075.26 / 10.00	2200
JINGA (IF)	FASHU (FB)	345.35 / 8.07	2000
FASHU (FAF)	BUVAC/3.00 NM TO RW34 (FO)	345.34 / 2.28	
BUVAC/3.00 NM TO RW34	RW34 (MAP) (FO)	345.33 / 3.00	
RW34 (MAP)	500 MSL	345.33	
500 MSL	DUDYA (FO)		3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34

CLIMB TO 3100 DIRECT DUDYA AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT JINGA
3. FAC: 345.34 FAF: FASHU DIST FAF TO MAP: 5.28 THLD: 5.28
4. MIN. ALT: JINGA 2200, FASHU 2000, BUVAC/3.00 NM TO RW34 1240*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: FASHU 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW34 3000

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 165.30 INBOUND.
CHART FAS OBST: 439 TREE 301013N/0962210W
OBST: 496 AAO 300921N/0962227W
DISTANCE TO THLD FROM 250 HATH: 0.64 NM.
CHART VDP AT 1.08 MILES TO RW34*
*LNAV ONLY.
WAAS CHANNEL # 77616
REFERENCE PATH ID: W34A
LTP HAE: 49.3 M

MAG VAR: 6E 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	500	3/4	250	500	3/4	250	500	3/4	250	500	3/4	250			
LNAV/VNAV DA	699	1 1/2	449	699	1 1/2	449	699	1 1/2	449	699	1 1/2	449			
LNAV MDA	700	1	450	700	1	450	700	1 3/8	450	700	1 3/8	450			
CIRCLING	780	1	462	780	1	462	800	1 1/2	482	1040	2 1/4	722			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 37C (98F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

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

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 318 THRE: 250	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BRENHAM, TX	AIRPORT NAME: BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	AMDT: 1
				DATED 07/29/2010

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] **ZHU, AIRPORT MANAGER**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **TERENCE D. SHARP (JOHN JOHNSON)**	FIFO **AJV-351**	DATE: **03/01/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. AMENDED KILSE INITIAL SEGMENT COURSE FROM 255.40 TO 255.45 AND INCREASED DISTANCE FROM 5.00 NM TO 10.00 NM.
2. AMENDED OCADO INITIAL SEGMENT COURSE FROM 075.30 TO 075.26 AND INCREASED DISTANCE FROM 5.00 NM TO 10.00 NM.
3. AMENDED JINGA INTERMEDIATE SEGMENT COURSE FROM 345.35 TO 345.34 AND INCREASED DISTANCE FROM 6.07 NM TO 8.07 NM.
4. DELETED H-I-L.
5. DELETED TAA AND DEVELOPED MSA OF 3000FT.
6. ADDED VDP.
7. DECREASED LPV CAT A-D VISIBILITY FROM 1 TO 3/4.
8. DECREASED LNAV/VNAV CAT A-D VISIBILITY FROM 1 3/4 TO 1 1/2.
9. INCREASED LNAV CAT C VISIBILITY FROM 1 1/4 TO 1 3/8 AND DECREASED LNAV CAT D VISIBILITY FROM 1 1/2 TO 1 3/8.
10. REPLACED "BARO-VNAV NA WHEN USING COLLEGE STATION ALTIMETER SETTING" NOTE WITH "VDP AND BARO-VNAV NA WITH COLLEGE STATION ALTIMETER SETTING".
11. AMENDED "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F)" NOTE WITH "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 37C (98F)".
12. ADDED "RADAR REQUIRED" PLANVIEW NOTE.
13. ADDED "VGSI AND RNAV GLIDEPATH NOT COINCIDENT" NOTE.
SEE 8260-10

REASONS:

1,2,3,4,5,12. PER FPT REQUEST.
6. IAW 8260.3B, PARA. 253.
7,8,9. IAW 8260.3B, PARA. 3.2.2.
10. PER EMAIL GUIDANCE.
11,14. NEW DATA.
13. IAW 8260.19D, PARA. 855(N)(1).

QUALITY 1 CHECKED

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.

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLLEGE STATION ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDA 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: VDP AND BARO-VNAV NA WITH COLLEGE STATION ALTIMETER SETTING.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 318 THRE: 250	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BRENHAM, TX	AIRPORT NAME: BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	AMDT: 1
				DATED: 07/29/2010

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:

CHANGES CONT.

14. AMENDED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLLEGE STATION ALTIMETER SETTING AND INCREASE ALL DA 53 FEET, ALL MDA 60 FEET, AND CIRCLING CAT D VISIBILITY 1/4 MILE" NOTE WITH "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLLEGE STATION ALTIMETER SETTING AND INCREASE ALL DA 52 FEET, AND ALL MDAS 60 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND CIRCLING CAT D VISIBILITY 1/4 MILE" NOTE.

REASONS:

QUALITY 1 CHECKED

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	11R
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	301241.4635N
LTP/FTP LONGITUDE	0962222.6900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00493
FPAP LATITUDE	301409.7500N
FPAP LONGITUDE	0962238.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	78A91D5A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00763
FPAP ORTHOMETRIC HEIGHT	+00763

QUALITY 1 CHECKED

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 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)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BUVAC K40    W     N30094309W096215139                      E0037     NAR           BUVAC
        SUSAEAENRT   DUDYA K40    W     N30260433W096244411                      E0037     NAR           DUDYA
        SUSAEAENRT   FASHU K40    W     N30072780W096212767                      E0037     NAR           FASHU
        SUSAEAENRT   JINGA K40    W     N29592769W096200364                      E0036     NAR           JINGA
        SUSAEAENRT   KILSE K40    W     N30005765W096084039                      E0035     NAR           KILSE
        SUSAEAENRT   OCADO K40    W     N29575674W096312655                      E0038     NAR           OCADO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 11R K4A11R     0     060YHN30131083W096222785E006000318         1800018000C    MNAR    BRENHAM MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 11R K4FR34   AKILSE 010KILSEK4EA0E  A    IF                                          18000                A JS
        SUSAP 11R K4FR34   AKILSE 020JINGAK4EA0EE B 010TF                     25550100    + 02200                         A JS
        SUSAP 11R K4FR34   AOCADO 010OCADOK4EA0E  A    IF                                          18000                A JS
        SUSAP 11R K4FR34   AOCADO 020JINGAK4EA0EE B 010TF                     07530100    + 02200                         A JS
        SUSAP 11R K4FR34   R      010JINGAK4EA0E  I    IF                                  + 02200     18000                A JS
        SUSAP 11R K4FR34   R      020FASHUK4EA1E  F 051TF                     34540081    + 02000                 RW34  K4PGA JS
        SUSAP 11R K4FR34   R      020FASHUK4EA2WALPV       ALNAV/VNAV ALNAV                                                  JS
        SUSAP 11R K4FR34   R      021BUVACK4EA0EYS  031TF                     34530023    V 0124001250        -300         A JS
        SUSAP 11R K4FR34   R      030RW34 K4PG0GY M 031TF                     34530030      00295             -300         A JS
        SUSAP 11R K4FR34   R      040         0  M     CA                     3453        + 00500                         A JS
        SUSAP 11R K4FR34   R      050DUDYAK4EA0EY      DF                                  + 03100                         A JS
        SUSAP 11R K4FR34   R      060DUDYAK4EA0EE  R   HM                     16530040    + 03100                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 11R K4GRW34    0060033453 N30124146W096222269+1100    +0049300250000045075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP 11R K4PR34   RW34 001 0000W34A0N3012414635W09622226900+004930300N3014097500W096223820001067509200004 50F40050078A91D5A
        SUSAP 11R K4PR34   RW34 002E      +00763+00763LPV       77616

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 318 THRE: 250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BRENHAM, TX	AIRPORT NAME: BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	AMDT: 1
				DATED: 07/29/2010

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:

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.

```
-----------------------------------------------------------------------------------------------------------------------------
SUSAP 11R K4SRW34 K4PG                0   18018003025                                                                  M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 318 THRE: 250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BRENHAM, TX	AIRPORT NAME: BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	AMDT: 1
				DATED: 07/29/2010

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:

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
	KILSE	KILSE	010	IAF	IF		FB					
	KILSE	JINGA	020		TF		FB	1.0	255.5(261.5T)	010.0	AA 02200	
	OCADO	OCADO	010	IAF	IF		FB					
	OCADO	JINGA	020		TF		FB	1.0	075.3(081.3T)	010.0	AA 02200	
		JINGA	010	FACF	IF		FB				AA 02200	
		FASHU	020	FAF	TF		FB	0.5	345.4(351.4T)	008.1	AA 02000	
		BUVAC	021	SDF	TF		FO	0.3	345.3(351.3T)	002.3	AA 01240 GS 01250	
		RW34	030	MAP	TF		FO	0.3	345.3(351.3T)	003.0	AT 00295	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		345.3(351.3T)		AA 00500	
	DUDYA	050		DF		FO				AA 03100	
	DUDYA	060		HM	R	FO		165.3(171.3T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BUVAC	N300943.09	W0962151.39	N3009.718	W09621.857
	DUDYA	N302604.33	W0962444.11	N3026.072	W09624.735
	FASHU	N300727.80	W0962127.67	N3007.463	W09621.461
	JINGA	N295927.69	W0962003.64	N2959.462	W09620.061
	KILSE	N300057.65	W0960840.39	N3000.961	W09608.673
	OCADO	N295756.74	W0963126.55	N2957.946	W09631.443
	RW34	N301241.46	W0962222.69	N3012.691	W09622.378

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34	00250	45

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 318 THRE: 250	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BRENHAM, TX	AIRPORT NAME: BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	AMDT: 1
				DATED: 07/29/2010

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.
INITIAL	KILSE	JINGA	1. TWR (48-003886)	295808.00N/0961518.00W	700 (5D)	1000	XP500	2200
			2. TERRAIN	300112.00N/0961833.00W	391 (400)		AS1500	1900
INITIAL	OCADO	JINGA	3. TWR (48-008964)	295953.00N/0962615.00W	1063 (5D)	1000	XP137	2200
			4. TERRAIN	295836.00N/0963133.00W	381 (400)		AS1500	1900
INTERMEDIATE	JINGA	FASHU	5. TWR (48-011836)	300329.04N/0961934.20W	743 (2C)	500	XP757	2000
			6. TERRAIN	300527.00N/0962136.00W	420 (400)		AS1500	1900
FINAL: LPV	FASHU	RW34	7. TREE (K11RL028)	301234.07N/0962217.79W	280 (1B)	ASC	AC10	500/250
FINAL: LNAV/VNAV	FASHU	RW34	8. TREE (K11RL025)	301236.81N/0962208.00W	304 (2C)	PDA	AC20 XP125	699/449
FINAL: LNAV	FASHU	BUVAC/3.00 NM TO	9. AAO	300724.30N/0962102.63W	569 (2C)	250	AC20 XP401	1240
		RW34						
FINAL: LNAV STEPDOWN	BUVAC/3.00 NM TO	RW34	10. TREE	301013.00N/0962210.00W	439 (2C)	250		700
	RW34							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH — MAP:	DA / DA / RW34	DUDYA				ASC		3100
			11. TWR (48-010884)	302451.78N/0962552.80W	719 (2C)	1000		1800
ELEV:	314/538/600		12. TERRAIN	301651.00N/0962518.00W	430 (400)		AS1500	1900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	462	13. TWR (48-023554)	301338.92N/0962245.09W	410 (2C)	300	XP60	780
CATEGORY B	1.5 NM	450	462	13. TWR (48-023554)	301338.92N/0962245.09W	410 (2C)	300	XP60	780
CATEGORY C	1.7 NM	450	482	13. TWR (48-023554)	301338.92N/0962245.09W	410 (2C)	300	XP80	800
CATEGORY D	2.3 NM	550	722	14. TWR (48-002117)	301143.00N/0962409.00W	686 (5D)	300	AC50	1040
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW34

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-004538)	035/ 27.1	1982 (5D)	3000					

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 318 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
BRENHAM, TX	BRENHAM MUNI	RNAV	RNAV (GPS) RWY 34, AMDT 2	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZHU ARTCC CXO FSS		N W S	OTHER: AWOS-3	SOURCE: K11R / KCLL
		F A A		DISTANCE: 0 / 22.09
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION: K11R			ADJUSTMENT: 0 / 0

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

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 16 (PCL), 34 (PCL)
X	REIL 16, 34
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-2L 16 PAPI-4L 34

6. RUNWAY MARKINGS	
BASIC	
ALL WEATHER	
INSTRUMENT	NPI-G 16, 34

7. RUNWAY VISUAL RANGE	
APPROACH	
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE: 3.00	ELEV RWY THRESHOLD: 250.4	
DISTANCE FROM RWY:	ELEV GP ANTENNA:	
	THRESHOLD CROSSING HEIGHT: 45.0	

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

10. WAIVERS: NONE

PART D - PREPARED BY:	DATE:
TERENCE D. SHARP (JOHN JOHNSON)	03/01/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-351

PART C - REMARKS:

TERPS PARAGRAPH 289 APPLIED TO 496 AAO 300921N/0962227W

5-YEAR CLIMATE DATA NOT AVAILABLE.
AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.

BLOCK 3:
SOURCE: K11R (AWOS-3)/KCLL (ASOS)
SERVICE-A: YES/YES
DISTANCE: ON FIELD/22.09 NM
HRS OPTN: 24/24
ADJUSTMENT: 0 FT/51.16 FT

RASS (PRESSURE PATTERNS ARE THE SAME)
K11R (317.7 MSL)
KCLL (320.2 MSL)
RA=51.2FT

REMOTE ALTIMETER ROUNDED TO 52 FEET FOR ALL DA, 60 FEET FOR ALL MDA AND PUBLISHED AS A NOTE.

VGSI DATA: 3.50/48.2

SEE ATTACHED AIRSPACE LETTER.

TERPS VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 34:1
280 TREE (K11RL028) 301234.07N/0962217.79W (11.88)
270 TREE (K11RT0027) 301235.28N/0962218.08W (5.54)
276 POLE (K11RL030) 301233.41N/0962216.28W (5.35)
266 TREE (K11RT0036) 301236.36N/0962217.93W (4.66)
272 TREE (K11RT0030) 301232.76N/0962224.30W (2.56)
263 TREE (K11RT0037) 301236.30N/0962216.71W (1.01)

VEGETATION HEIGHT: 100 FT PER FPT

INTERMEDIATE CONTROLLING OBS IS THE SAME FOR ALL FINALS.

XP = TO MAINTAIN PREVIOUSLY PUBLISHED MIN ALT

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BUVAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300943.09N/0962151.39W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 34			K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
DELETED FAC 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/20/2009 **OFFICE:** AVN-120 **NAME:** CHRIS OBRIEN

APPROVED BY: **DATE:** 07/16/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

INFORMATION ONLY

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUDYA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 302604.33N/0962444.11W **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	N		WP	345.30	165.30	R		4	3100	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005129)	302800.16N/0963033.16W	765	1A

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 16			K11R	BRENHAM	TX (US)
IAP	RNAV (GPS) RWY 34		1	K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED PAT1 CONTROLLING OBSTACLE.
DELETED FIX USE PAT1 FROM RNAV (GPS) RWY 16, K11R, BRENHAM, TX.

DEVELOPED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (JOHN JOHNSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FASHU **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300727.80N/0962127.67W **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) RWY 34			K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
FIX MOVED 452.76 FT.
DELETED FAC 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/20/2009 **OFFICE:** AVN-120 **NAME:** CHRIS OBRIEN

APPROVED BY: **DATE:** 07/16/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

INFORMATION ONLY

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JINGA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295927.69N/0962003.64W **TYPE:** WP

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

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	S		WP	165.35	345.35	R		4	2200	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-000992)	295153.00N/0962040.00W	760	4D

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 16		1	K11R	BRENHAM	TX (US)
IAP	RNAV (GPS) RWY 34			K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIX MOVED 2.00 NM.
UPDATED PAT1 CONTROLLING OBSTACLE.
REMOVED FIX USE PAT1 FROM RNAV (GPS) RWY 34, K11R, BRENHAM, TX.
FIX NAME RETAINED PER ATC REQUEST (OPERATIONAL ADVANTAGE).

DEVELOPED BY: **DATE:** 02/09/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (JOHN JOHNSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KILSE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 300057.65N/0960840.39W **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) RWY 34			K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIXED MOVED 5.00 NM.
FIX NAME RETAINED PER ATC REQUEST (OPERATIONAL ADVANTAGE).

DEVELOPED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (JOHN JOHNSON)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OCADO **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 295756.74N/0963126.55W **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) RWY 34			K11R	BRENHAM	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIXED MOVED 5.00 NM.
FIXED NAME RETAINED PER ATC EMAIL REQUEST (OPERATIONAL ADVANTAGE).

DEVELOPED BY: **DATE:** 02/15/2012 **OFFICE:** AJV-351 **NAME:** TERENCE SHARP (JOHN JOHNSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY:
OTHER:

QUALITY 1 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **BRENHAM** STATE: **TX**

AIRPORT NAME: **BRENHAM MUNI** ID: **K11R**

PROCEDURE: **RNAV (GPS) RWY 34** AMDT: **2**

DOCKET#: **NOT REQUIRED**
(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 **3.47**
   (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 **351.34T**
4. High Terrain in **FINAL** segment containing 1000' point **352**
5. Distance from **THLD** to 1500' point **5.08**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **351.34T**
8. High Terrain in **FINAL** segment containing 1500' point **352**
9. Threshold Coordinates (if straight-in) … **301241.46N** / **0962222.69W**
10. ARP Coordinates …… **301310.83N** / **0962227.85W**
11. Runway Approach End and distance furthest from ARP ……. RWY **34**
    Distance **0.49** NM
12. FAF Coordinates …… **300727.80N** / **0962127.67W**

REMARKS: Approach/Drawing attached.