

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> LAMESA MUNI	<u>AIRPORT ID</u> KLUV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> LAMESA	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 2999	<u>TDZE</u> 2994	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 03/31/2016	<u>MAG VAR</u> 6E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
BGS VORTAC		TUDOY		TF	FB	2.00	297.22	15.58	5500
MERGE		ZIKEK		TF	FB	2.00	035.45	15.91	5500
TUDOY	IAF	YUPUC	NOPT	TF	FB	1.00	279.43	6.00	5500
ZIKEK	IAF	YUPUC	NOPT	TF	FB	1.00	039.33	6.00	5500
YUPUC	IF/IAF	WUVUR		TF	FB	1.00	339.36	7.00	4600
WUVUR	FAF	RW34	MAP	TF	FO	0.30	339.36	4.93	
RW34	MAP	3194 MSL		CA			339.36		
3194 MSL		ZOPNI		DF	FO	1.00			5500

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5500 DIRECT ZOPNI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)
2. HOLD S YUPUC, RT, 339.36 INBOUND, 5500 FT. IN LIEU OF PT (IAF), MAX 6000.				
3. FAC:	339.36	FAF: WUVUR	DIST FAF TO MAP: 4.93	DIST FAF TO THLD: 4.93
4. MIN ALT: YUPUC 5500, WUVUR 4600				
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT: 200 HAT: 0.51
6. MIN GP INCPT: 4600		GP ALT AT FAF : WUVUR 4600		OM: MM: IM:
7. GP ANGLE: 3.00		34:1: IS CLEAR	20:1: IS CLEAR	TCH: 45.0
8. MSA FROM: RW34 4800				

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 7, 25 NA AT NIGHT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH GLIDEPATH NOT COINCIDENT (VGSI ANGLE (ANGLE)/TCH (FEET)).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BGS VORTAC AIRWAY RADIALS 227 CW 334.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MERGE ON V81 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.

CHART VDP AT 1.26 NM TO RW34*

*LNAV ONLY

WAAS CHANNEL #56626

REFERENCE PATH ID: W34A

FAS OBST: 3164 AAO 324135N/1015359W.

HOLD N, RT, 159.28 INBOUND

LTP HAE: 885.8 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	3194	3/4	200	3194	3/4	200	3194	3/4	200	3194	3/4	200			
LNAV/VNAV DA	3244	3/4	250	3244	3/4	250	3244	3/4	250	3244	3/4	250			
LNAV MDA	3420	1	426	3420	1	426	3420	1 1/4	426	3420	1 1/4	426			
CIRCLING	3460	1	461	3460	1	461	3700	2	701	3840	2 3/4	841			



CHANGES - REASONS

1. CHANGED AIRPORT IDENTIFICATION DESIGNATION FROM K2F5 TO KLUV. - FPT CHECKLIST INDICATES PRIMARY REASON FOR PROJECT IS AIRPORT 3-LETTER CHANGE AND MAG VAR UPDATE.
2. CHANGED AIRPORT MAG VAR FROM E09 (1995) TO E06 (2020). - MAG VAR ADJUSTMENT TO BRING AIRPORT WITHIN TOLERANCE, SHIFTED COURSES BY +3 DEGREES.
3. CHANGED ALL COURSES IN TERMINAL ROUTES +3 DEGREES. - MAG VAR ADJUSTMENT TO BRING AIRPORT WITHIN TOLERANCE, SHIFTED COURSES BY +3 DEGREES.
4. CHANGED LINE 2 HOLDING COURSE FROM 336.36 INBOUND TO 339.36 INBOUND. - MAG VAR ADJUSTMENT TO BRING AIRPORT WITHIN TOLERANCE, SHIFTED COURSES BY +3 DEGREES.
5. CHANGED LINE 3 FAC FROM 336.36 TO 339.36. - MAG VAR ADJUSTMENT TO BRING AIRPORT WITHIN TOLERANCE, SHIFTED COURSES BY +3 DEGREES.
6. IN ADDITIONAL FLIGHT DATA, CHANGED HOLDING COURSE FROM 156.29 INBOUND TO 159.28 INBOUND. - MAG VAR ADJUSTMENT TO BRING AIRPORT WITHIN TOLERANCE, SHIFTED COURSES BY +3 DEGREES.
7. CHANGED LINE 7 FROM 34:1 IS CLEAR TO 20:1 IS CLEAR AND 34:1 IS CLEAR. - UPDATED/MOST CURRENT OBSTACLE DATABASE SHOWED NO 34:1 NOR 20:1 PENETRATIONS.
8. IN ADDITIONAL FLIGHT DATA, CHANGED FAS OBSTACLE FROM CHART FAS OBST: 3141 WATER TWR 324326N/1015449W TO FAS OBST: 3164 AAO 324135N/1015359W. - NEW UPDATED OBSTACLE AND TERRAIN DATA IDENTIFIED THE AAO AS THE NEW NON-PRECISION FINAL APPROACH CONTROLLING OBSTRUCTION.
9. IN ADDITIONAL FLIGHT DATA, CHANGED DISTANCE TO THLD FROM HAT DATA FROM DISTANCE TO THLD FROM 250 HAT: 0.67 NM TO DISTANCE TO THLD FROM 200 HAT: 0.51 NM. - WITH NO PENETRATING OBSTACLES IN LPV FINAL, 200 FT HAT AUTHORIZED WHICH IS ALSO CLOSER TO RWY 34 THLD.
10. IN ADDITIONAL FLIGHT DATA, CHANGED VDP DATA FROM CHART VDP AT 1.20 MILES TO RW34 TO CHART VDP AT 1.26 NM TO RW34. - SLIGHT INCREASE IN MDA PUSHED VDP 0.06 NM OUT FROM THE THLD.
11. CHANGED LPV DA/HAT FROM 3244/250 TO 3194/200. - WITH NO PENETRATING OBSTACLES IN LPV FINAL, 200 FT HAT AUTHORIZED.
12. CHANGED LNAV MDA/HAT FROM 3400/406 TO 3420/426. - EVALUATION OF MOST CURRENT OBSTACLE/TERRAIN DATA IDENTIFIED A NEW CONTROLLING OBSTRUCTION WHICH IS 23 FT HIGHER THAN THE LAST ONE, THEREBY RAISING THE MDA/HAT.
13. CHANGED ALL LPV AND LNAV/VNAV VISIBILITIES FROM 7/8 SM TO 3/4 SM. - VISIBILITIES CALCULATED WITH NEWEST VISIBILITY CRITERIA FROM 8260.3C SECTION 3-3 AND ASSOCIATED VISIBILITY MINIMUM TABLES.
14. CHANGED CAT C/D LNAV VISIBILITIES FROM 1 1/8 SM TO 1 1/4 SM. - VISIBILITIES CALCULATED WITH NEWEST VISIBILITY CRITERIA FROM 8260.3C SECTION 3-3 AND ASSOCIATED VISIBILITY MINIMUM TABLES.
15. CHANGED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20C OR ABOVE 54C. - NEW NOTE FORMATTING PER 8260.19H AND MEMO 257.
16. CHANGED CHART NOTE FROM DME/DME RNP -0.3 NA TO PBN EQUIPMENT REQUIREMENTS NOTES: RNP APCH. - NEW EQUIPMENT REQUIREMENTS NOTES AND FORMATTING PER 8260.19H AND MEMO 257.
17. REMOVED NOTE NO ADDITIONAL AIRSPACE REQUIRED. - NEW AIRSPACE LETTER IMBEDDED IN _F FILE.
18. REMOVED CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE GAINES COUNTY ALTIMETER SETTING AND INCREASE ALL DA 131 FEET AND ALL MDA 140 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE; INCREASE LNAV CATS C/D VISIBILITY 1/2 MILE; INCREASE CIRCLING CAT C 1/2 MILE AND CAT D 1/4 MILE. - BACKUP ALTIMETER NOTE MOVED TO BACK OF -9 FOR CONTINGENCY PURPOSES ONLY.
19. CHANGED CHART PROFILE NOTE FROM "VGSI AND DESCENT ANGLES NOT COINCIDENT..." TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT..." - CHANGED TO APPROPRIATE NOTE FORMATTING IAW 8260.19H.
20. CHANGED LENGTH OFFSET FROM 1232 TO 1224 AND CRC REMAINDER FROM C67B4742 TO BA3391B6. - AIRPORT IDENTIFIER CHANGED FROM K2F5 TO KLUV, VERTICAL ALERT LIMIT CHANGED FROM 50 TO 35.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZFW, AMGR

FLIGHT CHECKED BY

ANTHONY D VALLERA

Digitally signed by
ROBERT G HAMILTON
Apr 23, 2018

OFFICE

FICO

DATE

4/18/18

DEVELOPED BY

ROBERT G HAMILTON (JOSHUA LEETE)

Digitally signed by
ROBERT G HAMILTON
Apr 23, 2018

OFFICE

AJV-5422

DATE

02/09/2018

APPROVED BY

JULIE MORGAN

Digitally signed by
ROBERT G HAMILTON
Apr 23, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLUV
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	324449.8725N
LTP/FTP LONGITUDE	1015451.0360W
LTP/FTP ELLIPSOIDAL HEIGHT	+08858
FPAP LATITUDE	324616.2455N
FPAP LONGITUDE	1015517.7620W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	BA3391B6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+09100
FPAP ORTHOMETRIC HEIGHT	+09100

