

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										MISSED APPROACH							
FROM	TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 2100 DIRECT ZAKBU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.85 INBOUND. FAS OBST: 510 AAO 303109N/0962006W. DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.25 NM TO RW34* *LNAV ONLY. WAAS CHANNEL # 63122 REFERENCE PATH ID: W34A CHART CIRCLING ICON. CHART PLANVIEW NOTE: RADAR REQUIRED. LTP HAE: 66 M								
ETEYO (IAF)	JOTAD (TF) (FB) (RNP 1.00)			075.80 / 10.00			2000										
CETGU (IAF)	JOTAD (TF) (FB) (RNP 1.00)			256.00 / 10.00			2000										
JOTAD (IF)	GUTCE (TF) (FB) (RNP 1.00)			345.90 / 7.00			2000										
GUTCE (FAF)	RW34 (MAP) (TF) (FO) (RNP 0.30)			345.89 / 5.15													
RW34 (MAP)	511 MSL (CA)			345.89													
511 MSL	ZAKBU (DF) (FO) (RNP 1.00)						2100										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT JOTAD 3. FAC: 345.89 FAF: GUTCE DIST FAF TO MAP: 5.15 THLD: 5.15 4. MIN. ALT: JOTAD 2000, GUTCE 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: GUTCE 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW34 3000										MAG VAR: 3E		EPOCH YEAR: 2020					
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	511	1/2	200	511	1/2	200	511	1/2	200	511	1/2	200	511	1/2	200		
LNAV/VNAV DA	563	1/2	252	563	1/2	252	563	1/2	252	563	1/2	252	563	1/2	252		
LNAV MDA	760	1/2	449	760	1/2	449	760	7/8	449	760	7/8	449	760	7/8	449		
CIRCLING	860	1	539	880	1	559	1000	2	679	1180	2 3/4	859	1180	3	859		
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C (27F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E AND LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM, INCREASE LNAV CAT E VISIBILITY TO 1 3/8 SM.																	
CITY AND STATE		ELEVATION: 321 TDZE: 311			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:				
COLLEGE STATION, TX		AIRPORT NAME:					RNAV (GPS) RWY 34, AMDT 1B						AMDT: 1A				
		EASTERWOOD FIELD											DATED 05/28/2015				



ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input checked="" type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZHU, IAH APP CON, CLL ATCT, APT MGR, ST. AV. DIR.</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
HERMAN C. ROGERS				AJV-5432	09/12/2017
APPROVED BY					
NAME:				FIFO	DATE:
PATRICK MULQUEEN				AJV-5430	
CHANGES:					
<div>1. CHANGED ALL HEADINGS, TRACKS, AND COURSES +3 DEGREES PER AIRPORT MAGVAR UPDATE.</div> <div>2. CHANGED AIRPORT MAGVAR FROM 6E/1985 TO 3E/2020.</div> <div>3. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.</div> <div>4. CHANGED CIRC CAT C MDA/VIS FROM 880/1 1/2 TO 1000/2, CAT D FROM 1000/2 1/4 TO 1180/2 3/4.</div> <div>5. UPDATED BARO-VNAV NOTE.</div> <div>6. MOVED BACKUP ALTIMETER SETTING NOTES TO THE BACK OF THE 8260-9.</div> <div>7. CHANGED CRC REMAINDER FROM E0A8D3E1 TO 44EC7E09.</div> <div>8. CHANGED ADDITIONAL FLIGHT DATA DIST TO THLD FROM 200 HATH: 0.46 TO 200 HAT: 0.48 NM.</div> <div>9. CHANGED INOP ALS NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV AND LNAV/VNAV CAT E VISIBILITY TO 3/4 MILE, AND LNAV CAT E VISIBILITY TO 1 3/8 MILE" TO "FOR INOPERATIVE ALS, INCREASE LPV CAT E AND LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM, INCREASE LNAV CAT E VISIBILITY TO 1 3/8 SM".</div>					
REASONS:					
<div>1/2. MAGVAR UPDATED.</div> <div>3/4. 8260.3 NEW CIRCLING CRITERIA APPLIED .</div> <div>5. USED AFS HIGH-LOW TEMP CALCULATOR.</div> <div>6. PER 8260.19H.</div> <div>7. RENTERED NEW LTP COORDINATES FROM NEW SURVEY DATA.</div> <div>8. NEW SURVEY DATA.</div> <div>9. PER THE TPP INOPERATIVE ALS TABLE.</div>					

QUALITY
19
CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLL
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	303439.9210N
LTP/FTP LONGITUDE	0962130.8330W
LTP/FTP ELLIPSOIDAL HEIGHT	+00660
FPAP LATITUDE	303607.5500N
FPAP LONGITUDE	0962150.7400W
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	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 44EC7E09

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00928
FPAP ORTHOMETRIC HEIGHT	+00928

QUALITY
19
CHECKED

CITY AND STATE COLLEGE STATION, TX	ELEVATION: 321 AIRPORT NAME: EASTERWOOD FIELD	TDZE: 311 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 1B	SUP:
				AMDT: 1A
				DATED: 05/28/2015

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. BACKUP ALTIMETER SETTING NOTES: NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CALDWELL ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND ALL MDA 60 FEET; INCREASE LNAV CAT C/D/E VISIBILITY TO 1 SM AND CIRCLING CAT C VISIBILITY TO 3 SM. VDP AND BARO-VNAV NA WHEN USING CALDWELL ALTIMETER SETTING. NOTE: FOR INOPERATIVE ALS, WHEN USING CALDWELL ALTIMETER SETTING, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM, AND LNAV CAT C/D/E VISIBILITY TO 1 3/8 SM. DID NOT USE NEXT HIGHER CONTOUR LINE FOR FINAL AAO AS PER LTR DTD 10/5/2009 WITH SUBJECT "PROPER ADDITION OF AN ADVERSE ASSUMPTION OBSTACLE (AAO) TO TERRAIN." ALL INTERMEDIATE SEGMENTS USE SAME CONTROLLING OBSTACLE'S/TERRAIN. MISSED APPROACH LEVEL SURFACE OBSTACLE LIES IN SECONDARY AREA, FULL ROC APPLIED. VEGETATION HEIGHT USED 75 FEET PER HIGHEST ESTIMATED AGL SURVEYED TREE. CRITICAL TEMPERATURES: CRITICAL LOW :-3C (+27F) CRITICAL HIGH :+54C (+130F) ACT :-3C APT ISA :+14.36C CRITICAL TEMPERATURE REMARKS AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2012-2016). CRITICAL LOW TEMPERATURE BASED ON ACT. DESCENT RATE (FPM): STANDARD TEMP 1424 HIGH TEMP 1662. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.82NM CAT C: 2.85NM CAT D: 3.73NM CAT E: 4.66NM NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS THE SAME KCLL 321, KRWW 391 RA = 51.57. XP23: MAINTAIN 860 MDA PER OE STUDY FOR CRANES STILL IN EFFECT. XP 7: TDZE ADJUSTMENT			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
IAH APP CON CLL TOWER ZHU ARTCC				N W S	OTHER: ASOS		SOURCE:KCLL / KRWW						
				F A A			DISTANCE: 0 / 18.13						
				A / C			HOURS REMOTE OPERATION: 0/YES / 24/YES						
SATISFACTORY ON:			X	V H F	X	U H F		H F	LOCATION: KCLL		ADJUSTMENT: 0 / 52		
4. MONITOR STATUS	PRIMARY NAVAID:												
			MONITOR POINT:										
	HRS		CAT 1										
	OPTN:		CAT 3										
5. APPROACH & RUNWAY LIGHTING		ALS											
		(S) SALS											
	X	MALSR 34 (PCL)											
	X	HIRL 16 (PCL), 34 (PCL)											
	X	MIRL 10 (PCL), 28 (PCL)											
	X	REIL 28 (PCL)											
		TDZ											
		C/LINE											
	X	OTHER (SPECIFY) VASI-4L 10, 28 VASI-4R 16											
6. RUNWAY MARKINGS		BASIC BSC-G 22; -F 04											
		ALL WEATHER PIR-G 16, 34											
		INSTRUMENT NPI-G 10, 28											
7. RUNWAY VISUAL RANGE		APPROACH											
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE: 3.00					ELEV RWY THRESHOLD:304.3						
		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: HERMAN C. ROGERS								DATE: 09/12/2017					
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5432					

