

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: RW10 CLIMB TO 3000 DIRECT EDAYA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 285.90 INBOUND. FAS OBST: 490 AAO 303726N/0962645W. DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.17 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 65632 REFERENCE PATH ID: W10A CHART CIRCLING ICON. CHART PLANVIEW NOTE: RADAR REQUIRED. LTP HAE: 70.7 M					
GOVEY (IAF)		ICESO (TF) (FB) (RNP 1.00)		015.65 / 10.00				2000							
HAXUN (IAF)		ICESO (TF) (FB) (RNP 1.00)		195.71 / 10.00				2000							
ICESO (IF)		APZIC (TF) (FB) (RNP 1.00)		105.68 / 7.00				2000							
APZIC (FAF)		RW10 (MAP) (TF) (FO) (RNP 0.30)		105.73 / 5.12											
RW10 (MAP)		569 MSL (CA)		105.73											
569 MSL		EDAYA (DF) (FO) (RNP 1.00)						3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ICESO 3. FAC: <u>105.73</u> FAF: <u>APZIC</u> DIST FAF TO MAP: <u>5.12</u> THLD: <u>5.12</u> 4. MIN. ALT: <u>ICESO 2000, APZIC 2000</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>APZIC 2000</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW10 3000</u>										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	569	3/4	250	569	3/4	250	569	3/4	250	569	3/4	250	569	3/4	250
LNAV/VNAV DA	641	1	322	641	1	322	641	1	322	641	1	322	641	1	322
LNAV MDA	740	1	421	740	1	421	740	1 1/4	421	740	1 1/4	421	740	1 1/4	421
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). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE COLLEGE STATION, TX		ELEVATION: 321 TDZE: 319 AIRPORT NAME: EASTERWOOD FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1C						SUP:			
												AMDT: 1B			
												DATED 12/11/2014			



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	AAT	ALPA	APA	AOPA	NBAA
<div><input checked="" type="checkbox"/></div>	<div><input type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>
OTHER (specify) ZHU, IAH APP CON, CLL ATCT, APT MGR, ST. AV. DIR.					
FLIGHT CHECKED BY <i>Digitally signed by</i>					
NAME:		ADOLFO D URRUTIA		FIFO	DATE:
JOEL ROBIN CAUDLE		Dec 14, 2017		FIOG	12/07/2017
DEVELOPED BY <i>Digitally signed by</i>					
NAME:		HERMAN C ROGERS		FIFO	DATE:
HERMAN C. ROGERS		Dec 13, 2017		AJV-5432	09/01/2017
APPROVED BY					
NAME:		PATRICK MULQUEEN		FIFO	DATE:
		ADOLFO D URRUTIA MANAGER		AJV-5430	
CHANGES: Dec 14, 2017					
1. CHANGED ALL HEADINGS, TRACKS, AND COURSES +3 DEGREES PER AIRPORT MAGVAR UPDATE. 2. CHANGED AIRPORT MAGVAR FROM 6E/1985 TO 3E/2020. 3. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA. 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. 5. REMOVED NOTE, NIGHT LANDING RWY 28 NA. 6. MOVED BACKUP ALTIMETER SETTING NOTES TO REMARKS ON THE 8260-9. 7. IN FAS DATA CRC REMAINDER CHANGED FROM D9D6F3C9 TO 4B18E378. 8. ADDED NOTE, "CHART NOTE: RWY 10 HELICOPTER VISIBILITY BELOW 3/4 SM NOT AUTHORIZED".					
REASONS:					
1/2. MAGVAR UPDATED. 3/4. 8260.3C NEW CIRCLING CRITERIA APPLIED AND AJV VISCHECK CALCULATOR VALIDATED. 5. 20:1 VISUAL SURFACE IS CLEAR. 6. IAW 8260.19H, SECTION 8-60, PARA 3 WE ARE NO LONGER REQUIRED TO PUBLISH BACKUP ALTIMETER SETTING NOTES WHEN THE PRIMARY IS ON WMSCR. 7. NEW LTP/FTP LAT/LONGS ENTERED IN FAS DATA. 8. 34:1 VISUAL SURFACE PENETRATED.					
12/13/2017: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/08/2017. 1. CHANGED NOTE FROM "RWY 10 HELICOPTER VISIBILITY BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 10 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED".					



**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - 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.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLL
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	303529.2945N
LTP/FTP LONGITUDE	0962222.0590W
LTP/FTP ELLIPSOIDAL HEIGHT	+00707
FPAP LATITUDE	303500.5400N
FPAP LONGITUDE	0962044.3300W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1176
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

4B18E378

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00974
FPAP ORTHOMETRIC HEIGHT	+00974



CITY AND STATE COLLEGE STATION, TX	ELEVATION: 321 TDZE: 319 AIRPORT NAME: EASTERWOOD FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1C	SUP:
				AMDT: 1B
				DATED: 12/11/2014

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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		GOVEY		ICESO		1. TOWER (48-023135)		303558.05N/0963833.27W		775 (4D)	1000	AT225		2000			
						2. TERRAIN		303439.00N/0963957.00W		440 (400)		AS1500		1900			
INITIAL		HAXUN		ICESO		3. TOWER (48-023577)		304949.71N/0963201.71W		680 (4D)	1000	AT320		2000			
						4. TERRAIN		304818.00N/0963209.00W		391 (400)		AS1500		1900			
INTERMEDIATE		ICESO		APZIC		5. AAO		303933.00N/0963751.00W		578 (4E)	500	AT922		2000			
						6. TERRAIN		303721.00N/0963342.00W		342 (300)		AS1500		1800			
INTERMEDIATE		ICESO		APZIC		7. AAO		304030.00N/0963736.00W		568 (4E)	500	AT932		2000			
						6. TERRAIN		303721.00N/0963342.00W		342 (300)		AS1500		1800			
FINAL: LPV		APZIC		RW10		8. TREE (48-037970)		303538.58N/0962240.95W		379 (1A)	34:1			569/250			
FINAL: LNAV/VNAV		APZIC		RW10		9. ANTENNA (48-065333)		303600.84N/0962222.57W		471 (1A)	161	XP9		641/322			
FINAL: LNAV		APZIC		RW10		10. AAO		303726.27N/0962644.73W		490 (2C)	250			740			
2. PROCEDURE TURN																	
3. MISSED APPROACH	MAP:		DA / DA / RW10		EDAYA						ASC			3000			
	ELEV:		383/510/640				11. AAO		303309.00N/0961806.00W		561	1000	1600				
							12. TERRAIN		303309.00N/0961806.00W		361 (400)		AS1500	1900			
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.													
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	539	13. TOWER (48-001495)		303553.00N/0962011.00W		487 (4D)	300	XP23 AC50	860		
CATEGORY B		1.5 NM			450		559	14. BLDG (48-005711)		303634.00N/0962029.00W		564 (1A)	300		880		
CATEGORY C		1.7 NM			450		679	15. TOWER (48-002331)		303747.73N/0962034.31W		684 (2A)	300		1000		
CATEGORY D		2.3 NM			550		859	16. TOWER (48-000033)		303902.00N/0962058.00W		823 (4D)	300	AC50	1180		
CATEGORY E		4.5 NM			550		859	16. TOWER (48-000033)		303902.00N/0962058.00W		823 (4D)	300	AC50	1180		
5. MINIMUM SAFE ALTITUDES											PRIMARY NAVAID: RW10						
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST	ELEVATION (MSL)	M S A	
360-360		TWR (48-004538)		094/17.8		1982 (5D)		3000									
CITY AND STATE				ELEVATION: 321				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION	
COLLEGE STATION, TX				AIRPORT NAME: EASTERWOOD FIELD				RNAV				RNAV (GPS) RWY 10, AMDT 1C				ASW	

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:																					
1. COMMUNICATIONS WITH:					2. WEATHER SERVICE					3. ALTIMETER SETTING					PRECIPITOUS TERRAIN EVALUATION COMPLETED.																
ZHU ARTCC IAH APP CON CLL TOWER							N W S		OTHER: ASOS			SOURCE:KCLL / KRWW					BACKUP ALTIMETER SETTING NOTES: NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CALDWELL ALTIMETER SETTING AND INCREASE ALL DA 52 FEET AND MDAS 60 FEET; INCREASE LPV ALL CATS VISIBILTY TO 7/8 SM, LNAV CAT C/D/E VISIBILITY TO 1 3/8 SM, AND CIRCLING CAT D VISIBILITY TO 3 SM. BARO-VNAV AND VDP NA WHEN USING CALDWELL ALTIMETER SETTING. ALTERNATE MINIMUMS NA.														
							F A A					DISTANCE: 0 / 18.13																			
							A / C					HOURS REMOTE OPERATION: 0/YES / 24/YES																			
SATISFACTORY ON:					LOCATION: KCLL					ADJUSTMENT: 0 / 52					VGSI DATA: 3.00/50 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 1663. 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. "VISUAL PORTION OF FINAL" PENETRATIONS: 34:1 367 POLE (48-115956) 303532.21N/0962241.89W (2.43) 365 POLE (48-028017) 303532.15N/0962241.83W (0.63) 359 POLE (48-092005) 303531.16N/0962239.77W (0.59) 379 TREE (48-037970) 303538.58N/0962240.95W (10.62) 376 TREE (48-094767) 303538.37N/0962241.17W (7.29) 357 TREE (48-071237) 303530.33N/0962237.68W (4.47) 373 TREE (48-038586) 303536.27N/0962242.66W (2.67) 350 TREE (48-115787) 303530.83N/0962235.96W (1.18) 352 TREE (48-065319) 303531.04N/0962236.94W (0.59) 371 TREE (48-116133) 303533.30N/0962244.00W (0.25) 369 TREE (48-065274) 303534.07N/0962242.90W (0.19) 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 HAVE DIFFERENT CONTROLLING OBSTACLE'S. DUE TO SIAP LIMITATIONS, UNABLE TO ENTER THEM BY NAME. OBST #5, AND TERRAIN #6 ARE CHARTED AS THEY ARE THE HIGHEST. XP: MAINTAIN 860 MDA AT FPT REQUEST XP 9: RAISE TO PREVIOUS DA																
X	V	H	F		X	U	H	F		H	F																				
4. MONITOR STATUS		PRIMARY NAVAID:																													
		MONITOR POINT:																													
		HRS OPTN:		CAT 1				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:319.4																							
			DISTANCE FROM RWY:					ELEV GP ANTENNA:																							
								THRESHOLD CROSSING HEIGHT:50.0																							
9. FINAL APPROACH COURSE AIMING						RUNWAY THRESHOLD					FT. FROM THRESHOLD																				
						ON CENTERLINE					FT. FROM CENTERLINE																				
10. WAIVERS: NONE															QUALITY 19 CHECKED																
PART D - PREPARED BY: HERMAN C. ROGERS										DATE: 09/01/2017																					
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432																					