

**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> EASTERWOOD FIELD	<u>AIRPORT ID</u> KCLL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> COLLEGE STATION	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 321	<u>TDZE</u> 321	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 3E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<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>
FEPRA	IAF	ZAKBU		TF	FB	1.00	255.95	10.10	2100
CEYAD	IAF	ZAKBU		TF	FB	1.00	075.75	10.10	2100
ZAKBU	IF	HOPAL		TF	FB	1.00	165.85	7.00	2100
HOPAL	FAF	JEMON/2.00 NM TO RW17		TF	FB	0.30	165.86	3.43	
JEMON/2.00 NM TO RW17		RW17	MAP	TF	FO	0.30	165.86	2.00	
RW17	MAP	571 MSL		CA			165.86		
571 MSL		JOTAD		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT JOTAD AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT ZAKBU
3. **FAC:** 165.86 **FAF:** HOPAL **DIST FAF TO MAP:** 5.43 **DIST FAF TO THLD:** 5.43
4. **MIN ALT:** ZAKBU 2100, HOPAL 2100, JEMON/2.00 NM TO RW17 1000*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.63 **GS ANT:**
6. **MIN GP INCPT:** 2100 **GP ALT AT FAF :** HOPAL 2100 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 51.0
8. **MSA FROM:** RW17 3000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3C OR ABOVE 54C.
CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.46 NM TO RW17*
*LNAV ONLY
WAAS CHANNEL #78322
REFERENCE PATH ID: W17A
CHART FAS OBST: 576 ANTENNA 303754N/0962129W.
HOLD S, RT, 345.90 INBOUND
LTP HAE: 71 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 900-2 3/4, CAT E 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	571	3/4	250	571	3/4	250	571	3/4	250	571	3/4	250	571	3/4	250
LNAV/VNAV DA	637	1	316	637	1	316	637	1	316	637	1	316	637	1	316
LNAV MDA	840	1	519	840	1	519	840	1 3/8	519	840	1 3/8	519	840	1 3/8	519
CIRCLING	860	1	539	880	1	559	1000	2	679	1180	2 3/4	859	1180	3	859



CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 16 TO RNAV (GPS) RWY 17.- RUNWAY RENUMBERING DUE TO MAGVAR UPDATE.
2. CHANGED MSA CENTER FROM RWY 16 TO RWY 17.- RUNWAY RENUMBERING DUE TO MAGVAR UPDATE.
3. CHANGED ALL REFERENCES OF RWY 16 TO RWY 17.- RUNWAY RENUMBERING DUE TO MAGVAR UPDATE.
4. CHANGED REFERENCE PATH IDENTIFIER FROM W16A TO W17A.- RUNWAY RENUMBERING DUE TO MAGVAR UPDATE.
5. CHANGED HELICOPTER VISIBILITY NOTE FROM "RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED".
6. REMOVED FAHRENHEIT DEGREES FROM THE UNCOMPENSTATED BARO-VNAV NOTE - NO LONGER REQUIRED.
7. REMOVED NOTE: DME/DME RNP-0.3 AND ADDED 'RNP APCH' TO PBN REQUIREMENTS. - CRITERIA REQUIREMENT.
8. ADDED 20:1 IS CLEAR ON LINE 7. - CRITERIA REQUIREMENT.
9. CHANGED FAS DATA: CHANGED RWY 16 TO RWY 17, CHANGED REFERENCE PATH IDENTIFIER FROM W16A TO W17A AND CRC REMAINDER FROM 6363615E TO D0A18EDB. - RUNWAY RENUMBERING.
10. REMOVED CHART PLANVIEW NOTE "RADAR REQUIRED". - NO LONGER REQUIRED AND FPT REQUEST.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZHU, IAH APP CON, CLL ATCT, APT MGR, ST. AV. DIR

FLIGHT CHECKED BY

JOHN D JEFFERS

Digitally signed by
WARDELL HENNING
Oct 30, 2018

OFFICE

FICO

DATE

12/7/18

DEVELOPED BY

LONNIE EVERHART (THOR CORNELL)

Digitally signed by
WARDELL HENNING
Oct 30, 2018

OFFICE

AJV-5400

DATE

08/31/2018

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Oct 30, 2018

OFFICE

AJV-5400

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCLL
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	303547.9015N
LTP/FTP LONGITUDE	0962146.2765W
LTP/FTP ELLIPSOIDAL HEIGHT	+00710
FPAP LATITUDE	303420.2700N
FPAP LONGITUDE	0962126.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
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)	50.0
CRC REMAINDER	D0A18EDB
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00977
FPAP ORTHOMETRIC HEIGHT	+00977

