

**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 ID</u> KEDC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> AUSTIN	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 620	<u>TDZE</u> 612	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
SCOLL		EFVEP		TF	FB	1.00	221.17	8.45	2200
EFVEP	IAF	CIRMU		TF	FB	1.00	221.55	6.00	2100
ZAMBS	IAF	CIRMU		TF	FB	1.00	036.47	6.00	2100
CIRMU	IF	HIDSU		TF	FB	1.00	306.51	6.05	2000
HIDSU	FAF	ASESY/1.60 NM TO RW31		TF	FB	0.30	306.46	2.68	
ASESY/1.60 NM TO RW31		RW31	MAP	TF	FO	0.30	306.46	1.60	
RW31	MAP	812 MSL		CA			306.46		
812 MSL		GUKWI		DF	FB	1.00			
GUKWI		DARTE		TF	FO	1.00	020.53	21.24	3500

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT GUKWI AND ON TRACK 020.53 TO DARTE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT CIRMU

3. FAF: 306.46 FAF: HIDSU DIST FAF TO MAP: 4.28 DIST FAF TO THLD: 4.28

4. MIN ALT: CIRMU 2100, HIDSU 2000, ASESY/1.60 NM TO RW31 1140

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.55 GS ANT:

6. MIN GP INCPT: 2000 GP ALT AT PFAF : HIDSU 2000 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 40.0

8. MSA FROM: RW31 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 16 AND 34.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCOLL ON V565 EASTBOUND.
CHART SPEED ICON IN PLANVIEW AT EFVEP: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT ZAMBS: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 060.00 INBOUND.
CHART FAS OBST: 659 TREE 302219N/0973413W.
CHART VDP AT 0.89 NM TO RW31.
WAAS CHANNEL # 45916
REFERENCE PATH ID: W31A
CHART CIRCLING ICON.
LTP HAE: 155.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	812	3/4	200	812	3/4	200	812	3/4	200	812	3/4	200			
LNAV/VNAV DA	909	7/8	297	909	7/8	297	909	7/8	297	909	7/8	297			
LNAV MDA	920	1	308	920	1	308	920	7/8	308	920	7/8	308			
CIRCLING	1140	1	520	1160	1	540	1280	1 3/4	660	1280	2	660			



CHANGES - REASONS

1. INCLUDED CHANGES FROM AMDT 1B - AMENDMENT PROCESSED AS P NOTAMS.
2. ADDED INITIAL SEGMENT FROM ZAMBS - AT ATC REQUEST PER FPT.
3. ADDED SPEED RESTRICTION OF 210K MAXIMUM AT EFVEP - REQUIRED TO MAINTAIN 6 NM INITIAL SEGMENT LEGNTH.
4. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8(B).
5. CRC REMAINDER CHANGED FROM B7A27223 TO 94D2788D - FPAP COORDINATES CHANGED FROM 302432.6100N/0973450.1140W TO 302432.6070N/0973450.1175W.
6. ADDED NOTES "CHART SPEED ICON IN PLANVIEW AT EFVEP: MAX 210 KIAS" AND "CHART SPEED ICON IN PLANVIEW AT ZAMBS MAX 210 KIAS" -- IAW 8260.19I 4-6-10(G).
7. LNAV FINAL CONTROLLING OBSTACLE (ASESY TO RWY 31) CHANGED FROM 639 TREE 302354.56N/0973308.47W TO 659 TREE 302318.90N/0973413.27W -- BASED ON CURRENT MANUAL TERRAIN EVALUATION.
8. REPLACED ADDITIONAL FLIGHT DATA NOTE "CHART FAS OBST: 639 TREE 302355N/0973308W" WITH "CHART FAS OBST: 659 TREE 302319N/0973413W" -- NEW LNAV CONTROLLING OBSTACLE.
9. REMOVED ALL REFERENCE TO *LNAV ONLY - NOT REQUIRED BY 8260.19I CRITERIA.
10. LNAV MDA CHANGED FROM 900 TO 920 -- NEW CONTROLLING OBSTACLE.
11. VDP DISTANCE CHANGED FROM .83 TO .89 -- NEW LNAV MDA.
12. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 3500 DIRECT GUKWI AND ON TRACK 019.68 TO DARTE AND HOLD" TO "CLIMB TO 3500 DIRECT GUKWI AND ON TRACK 020.53 TO DARTE AND HOLD" -- GUKWI MOVED 0.33 NM NORTHWEST TO ACCOMMODATE CURRENT 8260.58B CRITERIA EARLY TURN DISTANCE FOR LNAV CAT D MISSED APPROACH.
13. COURSE/DISTANCE FROM GUKWI TO DARTE CHANGED FROM 019.68/21.34 TO 020.53/21.24 -- GUKWI MOVED.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, AMGR, STATE AVIATION DIRECTOR

FLIGHT CHECKED BY
BRIAN HARRELSON

Digitally signed by
CASIMIR L TABAKA
Dec 09, 2022

OFFICE
FPO

DATE
12/07/2022

DEVELOPED BY
KARLIE BUNTIN

Digitally signed by
KARLIE B BUNTIN
Nov 03, 2022

OFFICE
AJV-A432

DATE
10/20/2022

APPROVED BY
CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA
Nov 21, 2022

OFFICE
AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEDC
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	302333.5200N
LTP/FTP LONGITUDE	0973332.8600W
LTP/FTP ELLIPSOIDAL HEIGHT	+01558
FPAP LATITUDE	302432.6070N
FPAP LONGITUDE	0973450.1175W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	94D2788D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01818
FPAP ORTHOMETRIC HEIGHT	+01818

