

**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.

AIRPORT ID K78	PROCEDURE NAME RNAV (GPS) RWY 36	ORIGINAL/AMENDMENT 2	CITY ABILENE	STATE KS
AIRPORT ELEVATION 1153	TDZE 1151	SUPERSEDED RNAV (GPS) RWY 35	DATED 08/17/2017	MAG VAR 3E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 17 APRIL 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2025
			CANCEL/SUSPEND	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 267/30 CW 087/30	NOPT	ADELA	IF/IAF	3400
2. 087/30 CW 177/30		BAYSS	IAF	3400
3. 177/30 CW 267/30		BAANK	IAF	3400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
BAANK	IAF	ADELA	NOPT	TF	FB	1.00	267.16	6.50	3400
BAYSS	IAF	ADELA	NOPT	TF	FB	1.00	086.99	6.50	3400
ADELA	IF/IAF	IKEHU		TF	FB	1.00	357.08	5.63	2900
IKEHU	FAF	ZEDUD/2.10 NM TO RW36		TF	FB	0.30	357.06	3.27	
ZEDUD/2.10 NM TO RW36		RW36	MAP	TF	FO	0.30	357.06	2.10	
RW36	MAP	1401 MSL		CA			357.06		
1401 MSL		FINEB		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT FINEB AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD S ADELA, RT, 357.08 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 357.06 **FAF:** IKEHU **DIST FAF TO MAP:** 5.37 **DIST FAF TO THLD:** 5.37
- 4. **MIN ALT:** ADELA 3400, IKEHU 2900, ZEDUD/2.10 NM TO RW36 1860
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.66 **GS ANT:**
- 6. **MIN GP INCPT:** 2900 **GP ALT AT PFAF:** IKEHU 2900 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.1
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17°C OR ABOVE 54°C.
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING SLN ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SLN ALTIMETER SETTING AND INCREASE LPV DA TO 1468 FEET; INCREASE LNAV/VNAV DA TO 1658 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART ADA EAST AND WEST MOA.
 CHART RILEY MOA.
 CHART R-3602 A/B.
 CHART R-3601A.
 CHART SMOKY MOA.
 CHART TWISTER MOA.
 HOLD N, RT, 177.08 INBOUND.
 FAS OBST: 1341 TREE 385145N/0971324W.
 CHART VDP AT 1.25 NM TO RW36.
 WAAS CHANNEL # 97734
 REFERENCE PATH ID: W36A
 CHART CIRCLING ICON.
 LTP HAE: 321.8 M

MINIMUMS:

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

ALTERNATE: NA

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	1401	1	250	1401	1	250	1401	1	250		NA					
LNAV/VNAV DA	1600	1 1/4	449	1600	1 1/4	449	1600	1 1/4	449		NA					
LNAV MDA	1600	1	449	1600	1	449	1600	1 1/4	449		NA					
CIRCLING	1680	1	527	1680	1	527	1900	2 1/4	747		NA					



CHANGES - REASONS

1. CHANGED MAG VAR FROM "7E" TO "3E" AND EPOCH YEAR FROM "1985" TO "2025" - FPT CHECKLIST; CURRENT MAG VAR IS NOT WITHIN 3 DEGREES OF NEXT FUTURE EPOCH YEAR VALUE.
2. UPDATED ALL INSTANCES OF RWY NUMBERING FROM "RWY 35" TO "RWY 36" – MAG VAR DATA UPDATE.
3. TAA: CHANGED STRAIGHT IN FROM "293/30 CW 053/30 (NOPT)" TO "267/30 CW 087/30 (NOPT)" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2.
4. TAA: CHANGED LEFT BASE FROM "053/30 CW 173/30" TO "087/30 CW 177/30" AND FIX NAME CHANGED FROM "ECHEL" TO "BAYSS" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2; ATC REQUEST.
5. TAA: CHANGED RIGHT BASE FROM "173/30 CW 293/30" TO "177/30 CW 267/30" AND FIX NAME CHANGED FROM "EZTIX" TO "BAANK" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2; ATC REQUEST.
6. TERMINAL ROUTES: CHANGED FROM "ECHEL TO ADELA" TO "BAYSS TO ADELA", COURSE/DISTANCE CHANGED FROM "053.01/5.00" TO "086.99/6.50" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; ATC REQUEST.
7. TERMINAL ROUTES: CHANGED FROM "EZTIX TO ADELA" TO "BAANK TO ADELA", COURSE/DISTANCE CHANGED FROM "293.13/5.00" TO "267.16/6.50" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; ATC REQUEST.
8. TERMINAL ROUTES: CHANGED ADELA TO IKEHU COURSE/DISTANCE FROM "353.07/5.65" TO "357.08/5.63" - MAG VAR UPDATE; PFAF MOVED FOR UPDATED GPA/TCH.
9. TERMINAL ROUTES: CHANGED ALL INSTANCES OF THE FIX ZEDUD FROM "ZEDUD/2.00 NM" TO "ZEDUD/2.10 NM" - DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
10. TERMINAL ROUTES: CHANGED IKEHU TO ZEDUD COURSE/DISTANCE FROM "353.07/3.35" TO "357.06/3.27" - MAG VAR UPDATE; DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
11. TERMINAL ROUTES: CHANGED ZEDUD TO MAP COURSE/DISTANCE FROM "353.07/2.00" TO "357.06/2.10" - MAG VAR UPDATE; DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
12. TERMINAL ROUTES: CHANGED MISSED APPROACH CA LEG ALTITUDE FROM "1468 MSL" TO "1401 MSL" AND COURSE CHANGED FROM "353.07" TO "357.06" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL; MAG VAR UPDATE.
13. LINE 2: CHANGED COURSE FROM "353.07" TO "357.08" AND ADDED "MAX 6000" - MAG VAR UPDATE; 8260.19J 8-6-7.B.
14. LINE 3: CHANGED FAC FROM "353.07" TO "357.06", DIST FAF TO MAP CHANGED FROM "5.35" TO "5.37", DIST FAF TO THLD CHANGED FROM "5.35" TO "5.37" - MAG VAR UPDATE; NEW PFAF LOCATION.
15. LINE 4: CHANGED "ZEDUD/2.00 NM TO RW35 1820*" TO "ZEDUD/2.10 NM TO RW36 1860" -NEW PFAF LOCATION; ASTERISK NO LONGER REQUIRED BY CRITERIA.
16. LINE 5: ADDED "250 HAT: 0.66" - 8260.19J 8-6-7.
17. LINE 7: CHANGED TCH FROM "45.0" TO "40.1" AND ADDED "20:1 IS CLEAR" - NEW TCH TO MATCH VGSI; NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
18. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE: "RNP APCH - GPS" - 8260.19J 8-6-8.
19. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD - CAT C 900-2 1/2" TO "NA" - PRIMARY ALTIMETER SOURCE ON THE AIRFIELD IS AN AWOS-2 AND IS NOT ON WMSCR.
20. MINIMUMS: CHANGED LPV DA/HAT ALL CATS FROM "1468/317" TO "1401/250" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
21. MINIMUMS: CHANGED LNAV/VNAV DA/HAT ALL CATS FROM "1468/317" TO "1600/449" AND VIS ALL CATS CHANGED FROM "1 SM" TO "1 1/4 SM" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
22. MINIMUMS: CHANGED LNAV MDA/HAT ALL CATS FROM "1620/469" TO "1600/449" AND VIS CAT C CHANGED FROM "1 3/8 SM" TO "1 1/4 SM" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
23. MINIMUMS: CHANGED CIRCLING CMDA/HAA CAT A/B FROM "1740/587" TO "1680/527", CAT C FROM "1980/827" TO "1900/747" AND CIRCLING CAT C VIS CHANGED FROM "2 1/2" TO "2 1/4" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
24. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 17C (2F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17°C OR ABOVE 54°C" - 8260.19J 8-6-10.R.
25. DELETED CHART NOTE: "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - TCH CHANGED FROM 45.0 TO 40.1.
26. REMOVED CHART NOTE: "*LNAV ONLY" - NO LONGER REQUIRED BY CRITERIA.
27. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SALINA ALTIMETER SETTING" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SLN ALTIMETER SETTING AND INCREASE LPV DA TO 1468 FEET; INCREASE LNAV/VNAV DA TO 1658 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/8 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM" - 8260.19J 8-6-12.N.
28. REMOVED CHART NOTE: "CIRCLING RWY 17 NA AT NIGHT" - NEW OBSTACLE SURVEY; 20:1 IS NOW CLEAR.
29. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "1294 TREE 385155N/0971325W" TO "1341 TREE 85145N/0971324W" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
30. ADDITIONAL FLIGHT DATA: ADDED SPECIAL USE AIRSPACE: "ADA EAST AND WEST MOA, RILEY MOA, R-3602 A/B, R-3601A, SMOKY MOA, TWISTER MOA" - ATC REQUEST; PILOT AWARENESS.
31. ADDITIONAL FLIGHT DATA: CHANGED MISSED HOLDING FROM "HOLD N, RT, 173.07 INBOUND" TO "HOLD N, RT, 177.08 INBOUND" - MAG VAR UPDATE; UPDATED TARGETS EVAL.
32. ADDITIONAL FLIGHT DATA: CHANGED VDP FROM "CHART VDP AT 1.35 NM TO RW35" TO "CHART VDP AT 1.25 NM TO RW36" AND REMOVED "*LNAV ONLY" - NEW PFAF LOCATION; *LNAV ONLY NO LONGER REQUIRED BY CRITERIA.
33. ADDITIONAL FLIGHT DATA: REMOVED "DISTANCE TO THLD FROM 317 HAT: 0.86 NM" - NO LONGER REQUIRED BY CRITERIA.
34. ADDITIONAL FLIGHT DATA: CHANGED LTP HAE FROM "LTP HAE: 321.7 M" TO "LTP HAE: 321.8 M" - PFAF MOVED; UPDATED TARGETS EVAL.
35. FAS DATA: CHANGED LTP/FTP LAT/LONG FROM "385354.3315N/0971409.1020W" TO "385354.3290N/0971409.0995W", LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+03217" TO "+03218", FPAP LAT/LONG CHANGED FROM "385523.5100N/0971408.9600W" TO "385523.5140N/0971408.9725W", TCH CHANGED FROM "00045.0" TO "00040.1", CRC REMAINDER CHANGED FROM "2E4B9CD2" TO "EFA44C43", LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+03505" TO "+03506", RW35 CHANGED TO RW36, CHANGED REFERENCE PATH IDENTIFIER (APPROACH ID) FROM "W35A" TO "W36A"- UPDATED AIRNAV DATA; MAG VAR CHANGE; PFAF LOCATION CHANGED.
36. CHANGED ALTERNATE MINIMUMS FROM "STANDARD – CAT C 900-2 ½" TO "NA" - AIRPORT HAS AWOS-2 AND NOT ON WMSCR.
37. ADDITIONAL FLIGHT DATA: ADDED 1347 TREE 385130N/0971333W AS 7:1 OBST TO BACK OF -9 - PER .19J 8-6-11 (E) ATTACHMENT 4.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA

OTHER: ZKC, AMGR, ST AV DIR

FLIGHT CHECKED BY

TERRY HESTER

Digitally signed by

DAVID DANNER

Jan 17, 2025

OFFICE

AJF

DATE

01/14/2025

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by

Timothy Johnson

Dec 16, 2024

OFFICE

AJV-A421

DATE

09/19/2024

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Jan 17, 2025

OFFICE

AJV-A421

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA

0
0
K78
RW36
0
0
W36A
385354.3290N
0971409.0995W
+03218
385523.5140N
0971408.9725W
00040.1
F
03.00
106.75
1504
40.0
50.0

CRC REMAINDER

EFA4AC43

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K3
+03506
+03506

