

**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> K78	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 1153	<u>TDZE</u> 1152	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1D	<u>DATED</u> 11/30/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 3E
				<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 087/30 CW 267/30	NOPT	FINEB	IF/IAF	3400
2. 267/30 CW 357/30		ALONS	IAF	3400
3. 357/30 CW 087/30		METTS	IAF	3400

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>
ALONS	IAF	FINEB	NOPT	TF	FB	1.00	267.16	6.50	3400
METTS	IAF	FINEB	NOPT	TF	FB	1.00	086.99	6.50	3400
FINEB	IF/IAF	OKADY		TF	FB	1.00	177.08	6.05	2900
OKADY	FAF	WOBLO/1.92 NM TO RW18		TF	FB	0.30	177.06	3.06	
WOBLO/1.92 NM TO RW18		RW18	MAP	TF	FO	0.30	177.06	1.92	
RW18	MAP	1498 MSL		CA			177.06		
1498 MSL		ADELA		DF	FO	1.00			3400

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3400 DIRECT ADELA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD N FINEB, RT, 177.08 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	177.06	FAF:	OKADY	DIST FAF TO MAP:	4.98	DIST FAF TO THLD:	4.98							
4.	MIN ALT:	FINEB 3400, OKADY 2900, WOBLO/1.92 NM TO RW18 1860													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		346 HAT:	0.85	GS ANT:				
6.	MIN GP INCPT:	2900	GP ALT AT PFAF:	OKADY 2900					OM:		MM:		IM:		
7.	GP ANGLE:	3.20	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	57.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV 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 1565 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1710 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/4 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 S, RT, 357.08 INBOUND.
CHART FAS OBST: 1359 TOWER (20-001379) 385545N/0971447W.
CHART VDP AT 1.41 NM TO RW18.
WAAS CHANNEL # 63234
REFERENCE PATH ID: W18A
CHART CIRCLING ICON.
LTP HAE: 322.4 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	1498	1	346	1498	1	346	1498	1	346		NA				
LNAV/VNAV DA	1643	1 3/8	491	1643	1 3/8	491	1643	1 3/8	491		NA				
LNAV MDA	1660	1	508	1660	1	508	1660	1 3/8	508		NA				
CIRCLING	1680	1	527	1680	1	527	1900	2 1/4	747		NA				



CHANGES - REASONS

1. MAG VAR CHANGED 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 CHANGE FROM "RWY 17" TO "RWY 18" – MAG VAR DATA UPDATE.
3. TDZE CHANGED FROM "1153" TO "1152" - NEW DISPLACED THRESHOLD ON RWY 18.
4. STRAIGHT IN TAA CHANGED FROM "113/30 CW 233/30 (NOPT)" TO "087/30 CW 267/30 (NOPT)" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2.
5. LEFT BASE TAA CHANGED FROM "233/30 CW 353/30" TO "267/30 CW 357/30" AND FIX NAME CHANGED FROM "PIGYI" TO "ALONS" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2; ATC REQUEST.
6. RIGHT BASE TAA CHANGED FROM "353/30 CW 113/30" TO "357/30 CW 087/30" AND FIX NAME CHANGED FROM "HOSKU" TO "METTS" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; 8260.58C 2-4-2; ATC REQUEST.
7. TERMINAL ROUTE "PIGYI TO FINEB" CHANGED TO "ALONS TO FINEB", COURSE/DISTANCE CHANGED FROM "233.13/5.00" TO "267.16/6.50" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; ATC REQUEST.
8. TERMINAL ROUTE "HOSKU TO FINEB" CHANGED TO "METTS TO FINEB", COURSE/DISTANCE CHANGED FROM "113.01/5.00" TO "086.99/6.50" - TAA CHANGED FROM A "Y" CONFIGURATION TO A BASIC "T" CONFIGURATION; ATC REQUEST.
9. TERMINAL ROUTE FINEB TO OKADY COURSE/DISTANCE CHANGED FROM "173.07/5.65" TO "177.08/6.05" - MAG VAR UPDATE; PFAF MOVED FOR UPDATED GPA/TCH.
10. TERMINAL ROUTES: CHANGED ALL INSTANCES OF THE FIX WOBLO FROM "WOBLO/3.10 NM" TO "WOBLO/1.92 NM" - DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
11. TERMINAL ROUTE OKADY TO WOBLO COURSE/DISTANCE CHANGED FROM "173.07/2.25" TO "177.06/3.06" - MAG VAR UPDATE; DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
12. TERMINAL ROUTE WOBLO TO MAP COURSE/DISTANCE CHANGED FROM "173.07/3.10" TO "177.06/1.92" - MAG VAR UPDATE; DISTANCE CHANGED DUE TO NEW PFAF LOCATION.
13. TERMINAL ROUTES: MISSED APPROACH CA LEG ALTITUDE CHANGED FROM "1553 MSL" TO "1498 MSL" AND COURSE CHANGED FROM "173.07" TO "177.06" - NEW OBSTACLE SURVEY; MAG VAR UPDATE.
14. MAP CHANGED FROM "LP: RW17, LNAV: RW 17" TO "LPV: DA, LNAV/VNAV: DA, LNAV: RW18" - LP LINE OF MINIMA REMOVED; LPV AND LNAV/VNAV MINIMA ADDED.
15. LINE 2: INBOUND COURSE CHANGED FROM "173.07" TO "177.08" - MAG VAR UPDATE.
16. LINE 3: FAC CHANGED FROM "173.07" TO "177.06", DIST FAF TO MAP CHANGED FROM "5.35" TO "4.98", DIST FAF TO THLD CHANGED FROM "5.35" TO "4.98" - MAG VAR UPDATE; NEW PFAF LOCATION.
17. LINE 4: CHANGED "WOBLO/3.10 NM TO RW17 2180" TO "WOBLO/1.92 NM TO RW18 1860" - NEW PFAF LOCATION.
18. LINE 5: ADDED "346 HAT: 0.85" - 8260.19J 8-6-7.
19. LINE 6: ADDED "MIN GP INCTP: 2900" AND "GP ALT AT PFAF: OKADY 2900" - 8260.19J 8-6-7.F; LPV AND LNAV/VNAV MINIMA ADDED.
20. LINE 7: ADDED "GP ANGLE: 3.20", CHANGED 20:1 FROM "IS NOT CLEAR" TO "IS CLEAR", AND ADDED "TCH: 57.0" - LPV AND LNAV/VNAV MINIMA ADDED; NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL; TCH 57 REQUIRED TO CLEAR VGS PENS; 8260.19J 8-6-7.G.
21. CHANGED CHART NOTE FROM "RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - NEW OBSTACLE SURVEY; 20:1 IS NOW CLEAR.
22. ADDED CHART PROFILE NOTE: "VGS AND RNAV GLIDEPATH NOT COINCIDENT (VGS ANGLE {ANGLE}/TCH {FEET})" - NEW GPA/TCH REQUIRED TO CLEAR OBSTACLES.
23. ADDED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C" - LNAV/VNAV MINIMA ADDED.
24. ADDED CHART NOTE: "BARO-VNAV AND VDP NA WHEN USING SLN ALTIMETER SETTING" - 8260.19J 8-6-10.
25. REMOVED CHART NOTE: "STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 17 NA AT NIGHT" - NEW OBSTACLE SURVEY; 20:1 IS NOW CLEAR.
26. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SALINA ALTIMETER SETTING AND INCREASE CIRCLING CAT A AND B MDA 80 FT" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SLN ALTIMETER SETTING AND INCREASE LPV DA TO 1565 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1710 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND LNAV VISIBILITY CAT C 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM" - LPV AND LNAV/VNAV MINIMA ADDED; 8260.19J 8-6-12.N.
27. 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.
28. ADDITIONAL FLIGHT DATA: MISSED HOLDING CHANGED FROM "HOLD S, RT, 353.07 INBOUND" TO "HOLD S, RT, 357.08 INBOUND" - MAG VAR UPDATE; UPDATED TARGETS EVAL.
29. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "1359 TOWER (20-001379) 385545N/0971447W, 1323 BUILDING (20-029417) 385530N/0971407W" TO "CHART FAS OBST: 1359 TOWER (20-001379) 385545N/0971447W" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
30. ADDITIONAL FLIGHT DATA: CHANGED 7:1 OBST FROM "1420 AAO 385751N/0971332W" TO "1493 AAO 385948.00N/0971351.00W" AND MOVED TO BACK OF -9 - 8260.19J 8-6-11.E.(2)
- ATTACHMENT 4.
31. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.41 NM TO RW18" - 20:1 IS NOW CLEAR.
32. ADDITIONAL FLIGHT DATA: REMOVED "CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL; NEW GPA; THE AIRPORT HAS DISPLACED RWY 18 THLD.
33. ADDITIONAL FLIGHT DATA: CHANGED LTP HAE FROM "LTP HAE: 322.5 M" TO "LTP HAE: 322.4 M" - PFAF MOVED; UPDATED TARGETS EVAL; NEW THLD LOCATION.
34. ALTERNATE MINIMUMS CHANGED FROM "STANDARD - CAT C 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "NA" - PRIMARY ALTIMETER SOURCE ON THE AIRFIELD IS AN AWOS-2 AND IS NOT ON WMSCR.
35. MINIMUMS: REMOVED LP MINIMA AND ADDED LPV AND LNAV/VNAV MINIMA - NEW OBSTACLE SURVEY DUE TO RWY 18 THLD BEING DISPLACED 186 FEET; UPDATED TARGETS EVAL.
36. MINIMUMS: LNAV MDA/HAT ALL CATS CHANGED FROM "1680/527" TO "1660/508" AND VIS CAT C CHANGED FROM "1 1/2 SM" TO "1 3/8 SM" - NEW OBSTACLE SURVEY; UPDATED TARGETS EVAL.
37. MINIMUMS: CIRCLING CMDA/HAA CAT A/B CHANGED 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.
38. COORDINATED WITH: ADDED "ST AV DIR" TO OTHER BLOCK - TO MATCH THE OTHER APPROACHES AT THIS AIRPORT.
39. FAS DATA: LTP/FTP LAT/LONG CHANGED FROM "385434.8555N/0971409.0420W" TO "385433.0155N/0971409.0445W", LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM "+03225" TO "+03224", FPAP LAT/LONG CHANGED FROM "385305.6700N/0971409.1800W" TO "385303.8300N/0971409.1710W", TCH CHANGED FROM "0.0" TO "00057.0", GPA CHANGED FROM "0.00" TO "03.20", LENGTH OFFSET CHANGED FROM "1504" TO "1560", VAL CHANGED FROM "00.0" TO "50.0", CRC REMAINDER CHANGED FROM "EB36F7A6" TO "A38A2A6C", RW17 CHANGED TO RW18, CHANGED REFERENCE PATH IDENTIFIER (APPROACH ID) FROM "W17A" TO "W18A" - UPDATED AIRNAV DATA; MAG VAR CHANGE; PFAF LOCATION CHANGED; NEW DISPLACED THLD.
40. CHANGED ALTERNATE MINIMUMS FROM "STANDARD - CAT C 900-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "NA" - AIRPORT HAS AWOS-2 AND NOT ON WMSCR.



COORDINATED WITH:

A4A

☐

ALPA

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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 04, 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	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	K78
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	385433.0155N
LTP/FTP LONGITUDE	0971409.0445W
LTP/FTP ELLIPSOIDAL HEIGHT	+03224
FPAP LATITUDE	385303.8300N
FPAP LONGITUDE	0971409.1710W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A38A2A6C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03512
FPAP ORTHOMETRIC HEIGHT	+03512

