

**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SUPERSEDED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>	<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

X

AOPA

X

APA

HAI

NBAA

X

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



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
K78	RNAV (GPS) RWY 18	2	ABILENE	KS	1153	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 087/30 CW 267/30 **TO** FINEB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001167)	390616.00N/0972316.00W	2398	500	50	5D	1000					3400
TERRAIN	392430.00N/0973100.00W	1699 (1700)								AS1500	3200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM 267/30 CW 357/30 **TO** ALONS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (20-054132)	383550.08N/0971818.59W	2075	250	50	4D	1000				AT325	3400
TERRAIN	385133.00N/0963239.00W	1555 (1600)								AS1500	3100

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

357/30 CW 087/30

TO

METTS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001167)	390616.00N/0972316.00W	2398	500	50	5D	1000					3400
TERRAIN	390342.00N/0975957.00W	1630 (1600)								AS1500	3100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

ALONS

TO

FINEB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.50										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	390315.00N/0971224.00W	1575	215	8	4B	1000				DG825	3400
TERRAIN	390351.00N/0971151.00W	1361 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

METTS

TO

FINEB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.50										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001167)	390616.00N/0972316.00W	2398	500	50	5D	1000					3400
TERRAIN	390730.00N/0972209.00W	1505 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

FINEB (IF/IAF)

TO

OKADY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.05										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	390315.00N/0971224.00W	1575	215	8	4B	500					2100
TERRAIN	390312.00N/0971224.00W	1374 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

OKADY

TO

RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.98		DA	346	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (20-039858)	385457.44N/0971404.68W	1247	20	3	1A		31.88:1				1498

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

20:1 ELECTRICAL SYSTEM (20-029388) WAS EXCLUDED FROM THE EVALUATION BECAUSE IT IS A REIL. 8260.3F 3-3-2.C (5).

FINAL: LNAV/VNAV

FROM

OKADY

TO

RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	4.98		DA	491	

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001379)	385545.48N/0971446.70W	1359	20	3	1A		21.94:1				1643

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

20:1 ELECTRICAL SYSTEM (20-029388) WAS EXCLUDED FROM THE EVALUATION BECAUSE IT IS A REIL. 8260.3F 3-3-2.C (5).



FINAL: LNAV

FROM

OKADY

TO

WOBLO/1.92 NM TO RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.06										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	385815.00N/0971324.00W	1441	215	8	4B	250				RA80	1860

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

WOBLO/1.92 NM TO RW18

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.92		RW18		508						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-001379)	385545.48N/0971446.70W	1359	20	3	1A	250					1660

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

20:1 ELECTRICAL SYSTEM (20-029388) WAS EXCLUDED FROM THE EVALUATION BECAUSE IT IS A REIL. 8260.3F 3-3-2.C (5).

HOLD-IN-LIEU OF PT

FROM

FINEB

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-000422)	390754.03N/0971959.48W	1749	50	20	2C	1000				AT651	3400
TERRAIN	390727.00N/0972100.00W	1473 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

ADELA

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1262			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3400
TOWER (20-001078)	384750.00N/0971302.00W	1770	500	50	5D	1000					2800
TERRAIN	384254.00N/0971545.00W	1328 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

ADELA

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 1493				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3400
TOWER (20-001078)	384750.00N/0971302.00W	1770	500	50	5D	1000					2800
TERRAIN	384254.00N/0971545.00W	1328 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW18

TO

ADELA

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 1543				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3400
TOWER (20-001078)	384750.00N/0971302.00W	1770	500	50	5D	1000					2800
TERRAIN	384254.00N/0971545.00W	1328 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

K78

PROCEDURE NAME

RNAV (GPS) RWY 18

AMDT NO.

2

CITY

ABILENE

STATE

KS

AIRPORT ELEVATION

1153

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
BUILDING (20-080166)	385500.34N/0971238.82W	1.30	527	1379	20	10	1B	300			1680
CATEGORY B											
BUILDING (20-080166)	385500.34N/0971238.82W	1.85	527	1379	20	10	1B	300			1680
CATEGORY C											
ANTENNA (20-079903)	385632.94N/0971138.43W	2.90	747	1595	20	10	1B	300			1900

CIRCLING REMARKS:

20:1 ELECTRICAL SYSTEM (20-029388) WAS EXCLUDED FROM THE EVALUATION BECAUSE IT IS A REIL. 8260.3F 3-3-2.C (5).

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



FACILITY
RNAV

COMMUNICATIONS WITH

ZKC ARTCC, ICT FSS

ADJUSTMENTS
0

ADJUSTMENTS
67

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KK78 1153, KSLN 1288
RA = 66.5

CAT

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW36 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	NPI-G	

TCH
40.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

X
X

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE 186

CRITICAL TEMPERATURES

APT ISA
+12.72C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 887 HIGH TEMP 1182.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV, LNAV
34:1	
1244 TREE (20-034805) 385456.0000N/0971413.9300W (29.3)	1247 TREE (20-039858) 385457.4400N/0971404.6800W (27.99)
1224 TREE (20-076702) 385451.1300N/0971412.7600W (23.79)	1222 TREE (20-076703) 385451.0900N/0971410.1000W (21.9)
1226 TREE (20-079744) 385452.4500N/0971408.6000W (21.85)	1216 TREE (20-076705) 385449.1200N/0971410.1200W (21.76)
1216 TREE (20-076706) 385449.1900N/0971412.9200W (21.56)	1234 TREE (20-079892) 385455.4400N/0971407.6300W (20.95)

QUALITY
19
CHECKER

<u>AIRPORT ID</u> K78	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1153	<u>FACILITY</u> RNAV
1221 TREE (20-076696) 385451.1300N/0971403.9200W (20.77)			1221 TREE (20-080188) 385451.3500N/0971411.7200W (20.13)			
1222 TREE (20-079699) 385451.9300N/0971408.0200W (19.4)			1213 TREE (20-079711) 385449.0400N/0971410.6900W (19)			
1223 TREE (20-034809) 385452.7100N/0971413.6100W (18.09)			1212 TREE (20-034518) 385449.2000N/0971412.1900W (17.53)			
1236 TREE (20-080126) 385457.4400N/0971409.0000W (17)			1217 TREE (20-079968) 385451.0700N/0971411.5800W (16.97)			
1199 TREE (20-034820) 385445.0300N/0971410.2400W (16.93)			1217 TREE (20-079762) 385451.2700N/0971409.9600W (16.37)			
1219 TREE (20-034524) 385451.9600N/0971408.4600W (16.31)			1207 TREE (20-079671) 385447.9900N/0971408.9900W (16.12)			
1213 TREE (20-079661) 385450.0200N/0971411.0600W (16.09)			1214 TREE (20-079786) 385450.3700N/0971411.6200W (16.05)			
1230 TREE (20-034806) 385455.9400N/0971412.1700W (15.48)			1234 TREE (20-080157) 385457.3600N/0971405.0400W (15.23)			
1192 TREE (20-047858) 385443.3100N/0971408.6500W (15.05)			1216 TREE (20-079816) 385451.6500N/0971409.3100W (14.23)			
1210 TREE (20-047861) 385449.6800N/0971410.0600W (14.1)			1205 TREE (20-076704) 385448.0700N/0971408.8600W (13.89)			
1228 TREE (20-079874) 385455.8000N/0971412.4000W (13.89)			1211 TREE (20-080129) 385450.1700N/0971411.6000W (13.64)			
1220 TREE (20-080094) 385453.2300N/0971412.9800W (13.54)			1213 TREE (20-080115) 385450.9800N/0971411.8900W (13.23)			
1213 TREE (20-079863) 385451.0500N/0971410.9900W (13.02)			1209 TREE (20-034521) 385449.8700N/0971414.3600W (12.54)			
1208 TREE (20-076701) 385449.5700N/0971404.0300W (12.41)			1212 TREE (20-079730) 385450.9600N/0971411.3100W (12.29)			
1209 TREE (20-079682) 385450.0800N/0971412.0900W (11.91)			1214 TREE (20-079566) 385451.7900N/0971412.8000W (11.83)			
1203 TREE (20-040357) 385448.1400N/0971407.1500W (11.67)			1217 TREE (20-079627) 385452.9100N/0971406.4000W (11.48)			
1211 TREE (20-079923) 385450.9600N/0971410.0800W (11.29)			1223 TREE (20-080068) 385455.0900N/0971408.9000W (11)			
1184 TREE (20-079738) 385441.9900N/0971411.2600W (10.98)			1225 TREE (20-080027) 385455.7900N/0971407.8600W (10.91)			
1205 TREE (20-080038) 385449.0800N/0971411.1000W (10.89)			1209 TREE (20-079788) 385450.5300N/0971412.0200W (10.57)			
1209 TREE (20-079579) 385450.5500N/0971412.5100W (10.52)			1231 TREE (20-080070) 385457.9600N/0971413.3200W (10.47)			
1225 TREE (20-039882) 385456.0000N/0971407.9300W (10.29)			1208 TREE (20-080078) 385450.3100N/0971412.2400W (10.23)			
1223 TREE (20-080160) 385455.4100N/0971407.9000W (10.04)			1209 TREE (20-079712) 385450.7900N/0971412.3300W (9.8)			
1209 TREE (20-079688) 385450.8000N/0971412.5700W (9.77)			1201 TREE (20-076698) 385448.1100N/0971405.0100W (9.76)			
1218 TREE (20-079625) 385453.8500N/0971409.4500W (9.69)			1183 TREE (20-080101) 385442.1500N/0971411.0000W (9.51)			
1228 TREE (20-079870) 385457.4300N/0971413.1900W (9.04)			1229 TREE (20-080117) 385457.8000N/0971413.1300W (8.94)			
1211 TREE (20-080149) 385451.7600N/0971412.3900W (8.91)			1212 TREE (20-034526) 385452.1000N/0971410.3900W (8.9)			
1209 TREE (20-047862) 385451.1500N/0971412.1100W (8.73)			1202 TREE (20-079608) 385448.8600N/0971411.7300W (8.54)			
1209 TREE (20-079577) 385451.2200N/0971410.3700W (8.52)			1210 TREE (20-080183) 385451.7800N/0971408.8000W (7.85)			
1210 TREE (20-080110) 385451.7800N/0971405.4700W (7.84)			1204 TREE (20-080055) 385449.7700N/0971410.2900W (7.83)			
1210 TREE (20-079887) 385451.8000N/0971410.2100W (7.79)			1202 TREE (20-079835) 385449.1400N/0971410.4300W (7.71)			
1220 TREE (20-079876) 385455.2100N/0971407.6300W (7.64)			1206 TREE (20-080017) 385450.5100N/0971410.6700W (7.63)			
1204 TREE (20-079912) 385449.8500N/0971412.2600W (7.6)			1202 TREE (20-079771) 385449.1900N/0971412.7900W (7.56)			
1203 TREE (20-079563) 385449.5400N/0971410.6900W (7.52)			1211 TREE (20-079865) 385452.2800N/0971407.7000W (7.35)			
1199 TREE (20-079725) 385448.2800N/0971408.8300W (7.26)			1209 TREE (20-079819) 385451.6500N/0971408.3500W (7.23)			
1203 TREE (20-079800) 385449.6500N/0971411.4900W (7.19)			1203 TREE (20-079727) 385449.6600N/0971411.9800W (7.16)			



<u>AIRPORT ID</u> K78	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1153	<u>FACILITY</u> RNAV
1204 TREE (20-079624) 385450.0500N/0971411.3500W (7)			1206 TREE (20-079590) 385450.7500N/0971411.6900W (6.92)			
1206 TREE (20-079587) 385450.7600N/0971412.0300W (6.89)			1207 TREE (20-079987) 385451.1000N/0971412.4400W (6.88)			
1203 TREE (20-079809) 385449.7800N/0971412.4700W (6.81)			1225 TREE (20-080179) 385457.1700N/0971407.3000W (6.8)			
1211 TREE (20-080170) 385452.6300N/0971412.3000W (6.33)			1215 TREE (20-079737) 385454.1100N/0971412.7700W (5.92)			
1215 TREE (20-079728) 385454.1100N/0971405.5200W (5.9)			1211 TREE (20-079702) 385452.7800N/0971412.0700W (5.88)			
1221 TREE (20-079989) 385456.1400N/0971412.6200W (5.88)			1197 TREE (20-076690) 385448.0800N/0971410.0400W (5.86)			
1209 TREE (20-040902) 385452.1100N/0971406.3400W (5.86)			1205 TREE (20-079932) 385450.8700N/0971410.3900W (5.56)			
1207 TREE (20-079881) 385451.5600N/0971412.4400W (5.51)			1211 TREE (20-079729) 385452.9100N/0971411.8600W (5.49)			
1206 TREE (20-079613) 385451.2300N/0971410.7100W (5.49)			1228 TREE (20-079787) 385458.6400N/0971412.5600W (5.44)			
1212 TREE (20-079841) 385453.3200N/0971409.0000W (5.26)			1213 TREE (20-080182) 385453.6900N/0971411.4300W (5.17)			
1224 TREE (20-079714) 385457.3900N/0971405.9400W (5.14)			1226 TREE (20-079747) 385458.0900N/0971412.3400W (5.08)			
1207 TREE (20-079779) 385451.7600N/0971410.5700W (4.91)			1223 TREE (20-079902) 385457.1600N/0971407.9600W (4.83)			
1202 TREE (20-079955) 385450.1100N/0971412.6600W (4.82)			1220 TREE (20-080134) 385456.2100N/0971412.1500W (4.67)			
1203 TREE (20-039874) 385450.5000N/0971406.9700W (4.65)			1203 TREE (20-080112) 385450.5800N/0971412.8200W (4.43)			
1202 TREE (20-079872) 385450.2600N/0971411.1700W (4.37)			1205 TREE (20-079763) 385451.2900N/0971412.6900W (4.31)			
1212 TREE (20-079980) 385453.6500N/0971412.9600W (4.29)			1227 TREE (20-034774) 385458.7100N/0971407.0600W (4.22)			
1201 TREE (20-080036) 385449.9800N/0971410.8400W (4.21)			1217 TREE (20-047857) 385455.3600N/0971409.1800W (4.19)			
1208 TREE (20-080005) 385452.3400N/0971406.1800W (4.17)			1199 TREE (20-079721) 385449.3300N/0971410.7900W (4.14)			
1212 TREE (20-034796) 385453.7600N/0971407.4100W (3.95)			1200 TREE (20-079930) 385449.8200N/0971410.9100W (3.68)			
1211 TREE (20-079648) 385453.5200N/0971411.1300W (3.67)			1175 TREE (20-079997) 385441.4300N/0971410.2200W (3.65)			
1200 TREE (20-079570) 385449.8400N/0971411.3200W (3.62)			1195 TREE (20-079718) 385448.1600N/0971410.2000W (3.62)			
1205 TREE (20-080120) 385451.5700N/0971410.1900W (3.47)			1199 TREE (20-079707) 385449.5800N/0971411.5700W (3.4)			
1206 TREE (20-079931) 385451.9700N/0971409.2900W (3.28)			1194 TREE (20-079804) 385447.9700N/0971407.8400W (3.18)			
1205 TREE (20-080176) 385451.7000N/0971406.0300W (3.08)			1194 TREE (20-079946) 385448.0100N/0971407.5900W (3.06)			
1213 TREE (20-079757) 385454.4200N/0971412.8100W (3)			1202 TREE (20-079958) 385450.7400N/0971411.1800W (2.95)			
1203 TREE (20-040901) 385451.0800N/0971404.4500W (2.92)			1208 TREE (20-079719) 385452.8600N/0971407.5600W (2.63)			
1211 TREE (20-079598) 385453.9200N/0971411.3000W (2.48)			1194 TREE (20-079959) 385448.3200N/0971410.2100W (2.14)			
1211 TREE (20-038221) 385454.0600N/0971412.1200W (2.07)			1201 TREE (20-079969) 385450.7600N/0971410.1400W (1.88)			
1197 TREE (20-079832) 385449.4200N/0971411.6100W (1.88)			1193 TREE (20-076692) 385448.1100N/0971406.8700W (1.76)			
1197 TREE (20-079765) 385449.4600N/0971412.2300W (1.76)			1203 TREE (20-079720) 385451.5100N/0971410.4500W (1.65)			
1193 TREE (20-079772) 385448.1600N/0971409.6900W (1.62)			1175 TREE (20-079974) 385442.1200N/0971408.4200W (1.59)			
1199 TREE (20-079899) 385450.1900N/0971410.4000W (1.58)			1199 TREE (20-079761) 385450.2400N/0971410.9000W (1.43)			
1194 TREE (20-079723) 385448.5900N/0971410.2100W (1.34)			1195 TREE (20-080153) 385448.9300N/0971410.1300W (1.33)			
1220 TREE (20-079949) 385457.3500N/0971409.7000W (1.27)			1196 TREE (20-079873) 385449.3700N/0971409.9100W (1.02)			
1220 TREE (20-079985) 385457.4400N/0971411.4500W (1.01)			1220 TREE (20-079866) 385457.4400N/0971407.1000W (1)			



<u>AIRPORT ID</u> K78	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>AMDT NO.</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1153	<u>FACILITY</u> RNAV
1201 TREE (20-080056) 385451.0700N/0971412.8600W (0.97)				1206 TREE (20-079780) 385452.7600N/0971410.9100W (0.93)		
1205 TREE (20-080003) 385452.4300N/0971412.4300W (0.92)				1196 TREE (20-079657) 385449.4100N/0971412.6000W (0.91)		
1215 TREE (20-079612) 385455.8300N/0971408.1500W (0.79)				1199 TREE (20-079896) 385450.4700N/0971410.3500W (0.75)		
1192 TREE (20-047860) 385448.1600N/0971409.9900W (0.62)				1205 TREE (20-034808) 385452.5500N/0971404.1700W (0.54)		
1219 TREE (20-037377) 385457.2900N/0971409.2800W (0.45)				1206 TREE (20-079696) 385452.9500N/0971412.2300W (0.37)		
1197 TREE (20-079758) 385449.9700N/0971410.0400W (0.23)				1219 TREE (20-080138) 385457.4100N/0971405.3700W (0.08)		
1223 TREE (20-079599) 385458.7600N/0971408.2600W (0.07)				1153 ELECTRICAL_SYSTEM (20-029387) 385435.2400N/0971410.4800W (0.07)		
1213 TREE (20-080144) 385455.4100N/0971409.5400W (0.05)						
<u>PENETRATIONS REMARKS:</u>						
20:1 Electrical system (20-029388) was excluded from the evaluation because it is a REIL. 8260.3F 3-3-2.C (5).						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

HISTORICAL WINDS NOT AVAILABLE.

CAT D MINIMUMS NA DUE TO AIRPORT INFRASTRUCTURE.

BACKUP ALTIMETER NOTE PUBLISHED AT FPT REQUEST.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1493 AAO 385948.00N/0971351.00W.

VEGETATION HEIGHT: 100 FT, PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.21
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.06
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	4.78
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.06
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)	385433.02N/0971409.04W
ARP COORDINATES	385414.60N/0971409.10W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.34 NM
FAF COORDINATES	385931.90N/0971408.62W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

TAA: FINEB (IF/IAF) 390535.480N-0971408.000W; ALONS (IAF) 390534.664N-0970547.072W; METTS (IAF) 390535.698N-0972228.930W; RADIUS: 30 NM

THLD DISPLACED 186FT, ACTUAL COORDINATES: 385434.86N/0971409.04W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
TIMOTHY JOHNSON	AJV-A421	09/19/2024	AERONAUTICAL INFORMATION SPECIALIST

