

**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AIRPORT ELEVATION 1153	TDZE 1151	SUPERSEDED RNAV (GPS) RWY 35	DATED 08/17/2017	MAG VAR 3E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	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.



AIRPORT ID
K78

PROCEDURE NAME
RNAV (GPS) RWY 36

ORIGINAL/AMENDMENT
2

CITY
ABILENE

STATE
KS

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



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

<u>AIRPORT ID</u> K78	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>AMDT NO.</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> KS	<u>AIRPORT ELEVATION</u> 1153	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u> 267/30 CW 087/30	<u>TO</u> ADELA
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001654)	382833.00N/0971718.00W	2304	50	20	2C	1000					3400
TERRAIN	383548.00N/0974509.00W	1660 (1700)								AS1500	3200

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

LEFT BASE AREA

<u>FROM</u> 087/30 CW 177/30	<u>TO</u> BAYSS
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001167)	390616.00N/0972316.00W	2398	500	50	5D	1000					3400
TERRAIN	384600.00N/0975939.00W	1738 (1700)								AS1500	3200

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
K78

PROCEDURE NAME
RNAV (GPS) RWY 36

AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

RIGHT BASE AREA

FROM
177/30 CW 267/30

TO
BAANK

RNP DISTANCE PAT MAP HAT HMAS

<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 (20-001692)	385024.00N/0963332.00W	1929	500	50	5D	1000				AT471	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:

INITIAL

FROM
BAANK

TO
ADELA

RNP DISTANCE PAT MAP HAT HMAS
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 (20-001714)	384429.00N/0970852.00W	1795	500	50	5D	1000				AT605	3400
TERRAIN	384136.00N/0970609.00W	1430 (1400)								AS1500	2900

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
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AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

INITIAL

FROM
BAYSS

TO
ADELA

RNP
1.00

DISTANCE
6.50

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	384215.00N/0972048.00W	1605	215	8	4B	1000				AT795	3400
TERRAIN	384212.00N/0972051.00W	1404 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
ADELA (IF/IAF)

TO
IKEHU

RNP
1.00

DISTANCE
5.63

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (20-001078)	384750.00N/0971302.00W	1770	500	50	5D	500					2300
TERRAIN	384133.00N/0971600.00W	1381 (1400)								AS1500	2900

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 36

AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

FINAL: LPV

FROM IKEHU **TO** RW36

RNP 0.30 **DISTANCE** 5.37 **PAT** **MAP** DA **HAT** 250 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	385351.00N/0971409.00W	1249	250	8	4B		34.00:1			AC8	1401

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM IKEHU **TO** RW36

RNP 0.30 **DISTANCE** 5.37 **PAT** **MAP** DA **HAT** 449 **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	385242.00N/0971412.00W	1305	250	8	4B		23.41:1			AC8	1600

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM IKEHU **TO** ZEDUD/2.10 NM TO RW36

RNP 0.30 **DISTANCE** 3.27 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	384921.00N/0971409.00W	1470	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:



AIRPORT ID
K78

PROCEDURE NAME
RNAV (GPS) RWY 36

AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

FINAL: LNAV STEPDOWN

FROM
ZEDUD/2.10 NM TO RW36

TO
RW36

RNP
0.30

DISTANCE
2.10

PAT

MAP
RW36

HAT
449

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	385145.00N/0971324.00W	1341	250	10	4B	250					1600

COMPUTATIONS

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

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
ADELA

TO
P-5

RNP

DISTANCE

PAT
P-5

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (20-054133)	383549.95N/0971800.58W	2057	250	50	4D	1000				AT343	3400
TERRAIN	383554.00N/0971815.00W	1578 (1600)								AS1500	3100

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 36

AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

MISSED APPROACH: LPV

FROM
DA **TO**
FINEB

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1213

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3400
TOWER (20-001554)	385746.00N/0971237.00W	1789	500	50	5D	1000					2800
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:

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
FINEB

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
1441

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3400
TOWER (20-001554)	385746.00N/0971237.00W	1789	500	50	5D	1000					2800
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:



AIRPORT ID
K78

PROCEDURE NAME
RNAV (GPS) RWY 36

AMDT NO.
2

CITY
ABILENE

STATE
KS

AIRPORT ELEVATION
1153

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZKC ARTCC, ICT FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
AWOS-2	K78	24	K78	0	N	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>WMSCR</u>	<u>ADJUSTMENTS</u>
ASOS	SLN	24	SLN	20.67	Y	67

WX REMARKS:

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

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	
RW36 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	1150.2	40.1			3.00	40.1

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-17C	+54C	-17C	+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 831 HIGH TEMP 1181.

"VISUAL PORTION OF FINAL" PENETRATIONS

PENETRATIONS REMARKS:

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
BACK UP ALTIMETER NOTE PUBLISHED AT FPT REQUEST.
HISTORICAL WINDS NOT AVAILABLE.
CAT D MINIMUMS NA DUE TO AIRPORT INFRASTRUCTURE.
LPV VISIBILITY INCREASED TO 1 SM DUE TO DUE TO AIRPORT INFRASTRUCTURE AT APT/FPT REQUEST.
ORDER 8260.3 CHAPTER 2 APPLIED TO 1473 AAO 384818.00N/0971309.00W, 1347 TREE 385130.00N/0971333.00W.
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	3.48
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	000.06
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	5.17
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	000.06
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN) 385354.33N/0971409.10W
ARP COORDINATES 385414.60N/0971409.10W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 36 DISTANCE 0.34 NM
FAF COORDINATES 384831.91N/0971409.56W
FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED. TAA: BAANK (IAF) 384252.880N-0970551.853W; BAYSS (IAF) 348253.910N-0972228.409W; ADELA (IF/IAF) 384253.690N-0971410.130W; RADIUS: 30 NM.

PART E: PREPARED BY

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

