

**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> ABI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ABILENE	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1791	<u>TDZE</u> 1776	<u>SUPERSEDED</u> RNAV (GPS) RWY 35R	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1C	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2020
		<u>ACTUAL EFFECTIVE DATE</u> 3 SEPTEMBER 2026	<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>
ABI VORTAC		INECO		TF	FB	1.00	173.77	16.55	4000
INECO	IAF	NILSE		TF	FB	1.00	084.66	9.30	4000
KEYJO	IAF	NILSE		TF	FB	1.00	264.86	9.30	4000
NILSE	IF	IBRIF		TF	FB	1.00	354.76	6.04	3400
IBRIF	FAF	BERUF/1.90 NM TO RW35R		TF	FB	0.30	354.76	3.01	
BERUF/1.90 NM TO RW35R		RW35R	MAP	TF	FO	0.30	354.76	1.90	
RW35R	MAP	1976 MSL		CA		1.00	354.76		
1976 MSL		GOFDO		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW35R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT GOFDO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT NILSE				
3. FAC:	354.76	FAF: IBRIF	DIST FAF TO MAP:	4.92	DIST FAF TO THLD: 4.92
4. MIN ALT:	NILSE 4000, IBRIF 3400, BERUF/1.90 NM TO RW35R 2440				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT:	0.45 GS ANT:
6. MIN GP INCPT:	3400	GP ALT AT PFAF: IBRIF 3400	OM:	MM:	IM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 57.9	
8. MSA FROM:	RW35R 4600				



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 53°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING DYS ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ABI VORTAC AIRWAY RADIALS 099 CW 195.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS TO RVR 6000, AND LNAV CATS C/D/E TO 1 3/8 SM.

CHART NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYS ALTIMETER SETTING AND INCREASE LPV DA TO 1997 FEET; INCREASE LNAV/VNAV DA TO 2210 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D/E TO RVR 5500 AND CIRCLING VISIBILITY CAT D 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART: ELMDALE AIRPARK (PVT) ON PLANVIEW.
HOLD N, RT, 174.76 INBOUND.
FAS OBST: 1912 TREE 322157N/0993948W.
CHART VDP AT 1.33 NM TO RW35R.
WAAS CHANNEL # 97517
REFERENCE PATH ID: W35A
LTP HAE: 513.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 900-3, 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*	1976	2400	200	1976	2400	200	1976	2400	200	1976	2400	200	1976	2400	200
LNAV/VNAV DA	2189	4000	413	2189	4000	413	2189	4000	413	2189	4000	413	2189	4000	413
LNAV MDA	2240	2400	464	2240	2400	464	2240	5000	464	2240	5000	464	2240	5000	464
CIRCLING	2240	1	449	2320	1	529	2420	1 3/4	629	2460	2	669	2620	3	829

CHANGES - REASONS

1. ABI VORTAC FEEDER COURSE/DISTANCE CHANGED FROM 159.26/17.16 TO 173.77/16.55 - EXTENDED INECO INITIAL SEGMENT 4.30 NM FROM 5.00 NM TO 9.30 NM DUE TO CAT E MINIMUM LEG LENGTH.
2. INITIAL SEGMENT INECO COURSE/DISTANCE CHANGED FROM 84.71/5.00 TO 84.66/9.30, INITIAL SEGMENT KEYJO COURSE/DISTANCE CHANGED FROM 264.81/5.00 TO 264.86/9.30 - EXTENDED SEGMENTS 4.30 NM FROM 5.00 NM TO 9.30 NM DUE TO CAT E MINIMUM LEG LENGTH.
3. MOVED FIX IBRIF 391 FEET SOUTH - TO ALIGN WITH FAC, GPA 3.00/TCH 57.9.
4. MOVED FIX BERUF 21 FEET SOUTH - TO ALIGN WITH FAC, STEPDOWN ALTITUDE 2440.
5. MOVED FIX GOFDO 387 FEET NORTH - TO ALIGN WITH FAC FOR RNAV (GPS) RWY 17L.
6. CHANGED TCH FROM 57.7 TO 57.9 - TO ALIGN WITH THE ILS OR LOC RWY 35R PROCEDURE.
7. CHANGED DISTANCE FAF TO MAP AND FAF TO THLD FROM 4.85 TO 4.92 AND VDP FROM 1.34 NM TO 1.33 NM TO RW35R - MOVED FAF FIX 391 FEET SOUTH, BERUF 21 FEET SOUTH.
8. REMOVED NOTES CHART ASR AND CHART CIRCLING ICON - NOT REQUIRED.
9. CHANGED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH-GPS" - IAW 8260.19K 8-6-8 D 5.
10. CHANGED BARO-VNAV NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C OR ABOVE 45C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C OR ABOVE 53C - CRITICAL TEMPERATURES DERIVED FROM 5 YEAR HISTORY 2021 TO 2025.
11. CRC REMAINDER CHANGED FROM EF191CE3 TO 8F0ACA0B - FPAP LAT/LONG CHANGED FROM 322448.7730N/0994029.2990W TO 322448.7735N/0994029.2980W.
12. CHANGED LNAV MDA FROM 2260/HAT 484 TO 2240/HAT 464 - NEW TARGETS EVALUATION.
13. CHANGED CIRCLING CAT A MDA FROM 2300/HAA 509 TO 2240/HAA 449 - NEW TARGETS EVALUATION.
14. UPDATED BACKUP ALTIMETER NOTES "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYS ALTIMETER SETTING AND INCREASE LPV DA TO 1997 FEET; INCREASE LNAV/VNAV DA TO 2210 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D/E TO RVR 5500 AND CIRCLING VISIBILITY CAT D 1/4 SM" AND "BARO-VNAV AND VDP NA WHEN USING DYS ALTIMETER SETTING" - MOVED FROM PART C: GENERAL REMARKS TO DASH 3 FOR CONSISTENCY ACROSS PROCEDURES.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER: ZFW, ABI APP CON, ABI ATCT, AMGR.

FLIGHT CHECKED BY

TERRY HESTER

Digitally signed by

RAKE MCGRAW

May 06, 2026

OFFICE

AJF

DATE

04/29/2026

DEVELOPED BY

ARTHUR ULVESTAD

Digitally signed by

RAKE MCGRAW

May 06, 2026

OFFICE

AJV-A422

DATE

01/12/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by

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May 06, 2026

OFFICE

AJV-A422

DATE

07/30/2026

TITLE

MANAGER



AIRPORT ID
ABI

PROCEDURE NAME
RNAV (GPS) RWY 35R

ORIGINAL/AMENDMENT
2

CITY
ABILENE

STATE
TX

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KABI
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	322319.4930N
LTP/FTP LONGITUDE	0994028.8585W
LTP/FTP ELLIPSOIDAL HEIGHT	+05137
FPAP LATITUDE	322448.7735N
FPAP LONGITUDE	0994029.2980W
THRESHOLD CROSSING HEIGHT (TCH)	00057.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0560
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	8F0ACA0B
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+05413
FPAP ORTHOMETRIC HEIGHT	+05413