

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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 ABI	PROCEDURE NAME ILS OR LOC RWY 35R	ORIGINAL/AMENDMENT 8	CITY ABILENE	STATE TX
AIRPORT ELEVATION 1791	TDZE 1776	SUPERSEDED ILS OR LOC RWY 35R	DATED 10/30/2025	MAG VAR 5E
FACILITY I-ABI	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2020
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ABI VORTAC		NILSE INT/I-ABI 12.34 DME					139.65	19.11	4000
NILSE INT/I-ABI 12.34 DME	IF/IAF	IBRIF INT/I-ABI 6.30 DME					354.76 (I-ABI)	6.04	3400

MISSED APPROACH

MAP:
ILS: DA
LOC: I-ABI /1.38 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3300 THEN CLIMBING LEFT TURN TO 5000 DIRECT ABI VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD S NILSE, RT, 354.76 INBOUND, 4000 IN LIEU OF PT (IF/IAF), MAX 6000.
- 3. **FAC:** 354.76 **FAF:** IBRIF INT/I-ABI 6.30 DME **DIST FAF TO MAP:** 4.92 **DIST FAF TO THLD:** 4.92
- 4. **MIN ALT:** NILSE INT/I-ABI 12.34 DME 4000, IBRIF INT/I-ABI 6.30 DME 3400
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 1162
- 6. **MIN GS INCPT:** 3400 **GS ALT AT PFAF:** IBRIF INT/I-ABI 6.30 DME 3400 **OM:** **MM:** **IM:**
- 7. **GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 57.9
- 8. **MSA FROM:** ABI VORTAC 220-310 4600, 310-220 4000



NOTES:

CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 CHART NOTE: VDP NA WHEN USING DYS ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ABI VORTAC ON V16 SOUTHWEST BOUND AND V77 NORTHEAST BOUND.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 35R CAT E VISIBILITY TO RVR 4000, AND S-LOC 35R CAT C/D/E VISIBILITY TO 1 3/8 SM.
 CHART NOTE: *RVR 1800 NA WHEN USING DYS ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYS ALTIMETER SETTING AND INCREASE S-ILS 35R DA TO 1997 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 35R VISIBILITY CAT C/D/E 1/8 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART ELMDALE AIRPORT (PVT) ON PLANVIEW
 HOLD W, RT, 105.00 INBOUND.
 FAS OBST: 2103 AAO 321857N/0994057W.
 CHART VDP AT 3.03 DME.
 DISTANCE VDP TO THLD 1.64 NM.

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: 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
S-ILS 35R*	1976	2400	200	1976	2400	200	1976	2400	200	1976	2400	200	1976	2400	200
S-LOC 35R	2360	2400	584	2360	2400	584	2360	1 1/4	584	2360	1 1/4	584	2360	1 1/4	584
CIRCLING	2360	1	569	2360	1	569	2420	1 3/4	629	2460	2	669	2620	3	829

CHANGES - REASONS

1. CHANGED MSA FROM TOMHI NDB TO ABI VORTAC, 228/318 MAG TO 220/310 MAG AND 318/228 MAG TO 310/220 MAG - TOMHI NDB DECOMMISSIONED, ALIGN SECTORS 90 DEGREES.
2. REMOVED FEEDERS NUGEN, TRUSS, TQA VOR/DME, AND MEDLY - TOMHI LOM DECOMMISSIONED.
3. REMOVED CNF FIX CFPLC - NO LONGER NEEDED.
4. REMOVED TOMHI LOM, ADDED FIX NILSE (IF/IAF) AND IBRIF (PFAF) FIXES - TO ALIGN WITH THE RNAV (GPS) RWY 35R PROCEDURE.
5. UPDATED PLANVIEW NOTE FROM "V77 NORTHBOUND" TO "V77 NORTHEAST BOUND" TO ALIGN WITH CURRENT AIRWAYS.
6. CHANGED S-LOC 35R FROM MDA 2260/HAT 484, CAT A/B VIS 1/2, CAT C/D/E 1 TO MDA 2360/HAT 584, CAT C/D/E VIS 1 1/4, CIRCLING CAT A FROM 2300/HAA 509, CAT B 2320/HAA 529 TO CIRCLING CAT A/B MDA 2360/HAA 569 - NEW TERRAIN EVALUATION.
7. CHANGED CHART FROM "VDP AT 2.68 DME, DISTANCE VDP TO THLD 1.29 NM" TO "CHART VDP AT 3.03 DME, DISTANCE VDP TO THLD 1.64 NM - NEW TARGETS EVALUATION.
8. CHANGED PRIMARY MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 3300 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TOMHI LOM/INT/I-ABI 6.76 DME AND HOLD" TO "CLIMB TO 3300 THEN CLIMBING LEFT TURN TO 5000 DIRECT ABI VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - TOMHI LOM DECOMMISSIONED, CANCEL NOTAM 5/2387.
9. REMOVED NOTES ADF REQUIRED AND CHART ASR - NOT REQUIRED.
10. REMOVED NOTE "RADAR REQUIRED FOR PROCEDURE ENTRY AT NUGEN" - NUGEN FEEDER REMOVED.
11. REMOVED NOTE CHART CIRCLING ICON - NO LONGER REQUIRED.
12. CHANGED INOP ALS NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-ILS 35R CAT E VISIBILITY TO RVR 4000, AND S-LOC 35R CAT C/D/E VISIBILITY TO 1 3/8 SM" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 35R CAT E VISIBILITY TO RVR 4000, AND S-LOC 35R CAT C/D/E VISIBILITY TO 1 3/4 SM" - NEW TARGETS EVALUATION.
13. ALTERNATE MINIMUMS CHANGED FROM "NA" TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT E 900-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.
14. UPDATED BACKUP ALTIMETER NOTES "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DYS ALTIMETER SETTING AND INCREASE S-ILS 35R DA TO 1997 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 35R VISIBILITY CAT C/D/E 1/8 SM, AND CIRCLING VISIBILITY CAT D 1/4 SM," AND "VDP NA WHEN USING DYS ALTIMETER SETTING, AND "RVR 1800 NA WHEN USING DYS ALTIMETER SETTING" - MOVED FROM PART C: GENERAL REMARKS TO DASH 3 FOR CONSISTENCY ACROSS PROCEDURES.



AIRPORT ID
ABI

PROCEDURE NAME
ILS OR LOC RWY 35R

ORIGINAL/AMENDMENT
8

CITY
ABILENE

STATE
TX

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZFW, ABI APP CON, APT MGR

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

01/07/2026

APPROVED BY

RAKE MCGRAW

Digitally signed by

RAKE MCGRAW

May 06, 2026

OFFICE

AJV-A422

DATE

07/30/2026

TITLE

MANAGER



**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>
ABI	ILS OR LOC RWY 35R	8	ABILENE	TX	1791	I-ABI

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER
FROM ABI VORTAC **TO** NILSE INT/I-ABI 12.34 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	19.11				

<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 (48-015012)	321346.56N/0993741.55W	2880	50	20	2C	1000				AT120	4000
TERRAIN	321727.00N/0994733.00W	2342 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM NILSE INT/I-ABI 12.34 DME (IF/IAF) **TO** IBRIF INT/I-ABI 6.30 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
	6.04				

<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 (48-015012)	321346.56N/0993741.55W	2880	50	20	2C	500					3400
TERRAIN	321557.00N/0994251.00W	2326 (2300)								AS1000	3300

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
ABI

PROCEDURE NAME
ILS OR LOC RWY 35R

AMDT NO.
8

CITY
ABILENE

STATE
TX

AIRPORT ELEVATION
1791

FACILITY
I-ABI

HOLD-IN-LIEU OF PT

FROM
NILSE **TO**
P-5

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
P-5

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (48-015012)	321346.56N/0993741.55W	2880	50	20	2C	1000				AT120	4000
TERRAIN	321451.00N/0994121.00W	2326 (2300)								AS1500	3800

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM
DA **TO**
ABI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1806

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (48-000473)	323036.70N/0994429.47W	2147	250	50	4D	1000					3200
TERRAIN	322300.00N/0995018.00W	1853 (1900)								AS1500	3400

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID
ABI

PROCEDURE NAME
ILS OR LOC RWY 35R

AMDT NO.
8

CITY
ABILENE

STATE
TX

AIRPORT ELEVATION
1791

FACILITY
I-ABI

MISSED APPROACH: LOC

FROM
I-ABI /1.38 DME

TO
ABI VORTAC

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
TOWER (48-000473)	323036.70N/0994429.47W	2147	250	50	4D	1000					3200
TERRAIN	322300.00N/0995018.00W	1853 (1900)								AS1500	3400

COMPUTATIONS

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

SEGMENT REMARKS:

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											
TREE	322309.00N/0993900.00W	1.32	569	1934	215	8	4B	300		SI	2360
CATEGORY B											
TOWER (48-005753)	322444.00N/0993827.00W	1.87	569	2005	20	3	1A	300		SI	2360
CATEGORY C											
ANTENNA (48-092089)	322304.67N/0994336.65W	2.94	629	2101	20	10	1B	300			2420
CATEGORY D											
AAO	322236.00N/0993612.00W	3.85	669	2159	215	8	4B	300			2460
CATEGORY E											
TOWER (48-000589)	322133.00N/0993520.00W	4.82	829	2261	250	50	4D	300		AC50	2620

CIRCLING REMARKS:



AIRPORT ID
ABI

PROCEDURE NAME
ILS OR LOC RWY 35R

AMDT NO.
8

CITY
ABILENE

STATE
TX

AIRPORT ELEVATION
1791

FACILITY
I-ABI

MSA

CENTER **RADIUS**
ABI VORTAC 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
220-310	TOWER (48-000492)	322448.00N/1000626.00W	242	13.0	3547	250	50	4D	1000			4600
310-220	TOWER (48-011248)	321632.00N/0993525.00W	122	18.6	2991	500	50	5D	1000			4000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TQA VOR/DME FEEDER SEGMENT REMOVED BECAUSE THE ANGLE OF INTERSECTION IS 104.03 DEGREES AT NILSE WHICH IS LESS THAN THE 120 DEGREES PER FAAO 8260.3G 2-3-1 (3). ALSO, WHEN THE TQA SEGMENT IS BUILT AS AN INITIAL LEG THE ANGLE IS 103.79 WHERE THE SEGMENT JOINS THE INTERMEDIATE LEG. FAAO 8260.3G TABLE 2-5-1 SHOWS FOR CAT E AND ANGLE THE MINIMUM LEG LENGTH NEEDS TO BE 8 NM. FPT AGREED TO REMOVE TQA SEGMENT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ABI TOWER, ABI APP CON, ZFW ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	ABI	24	ABI		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	DYS	24	DYS	8.87	Y	21

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME:
KABI 1791, KDYS 1790 RA = 20.6

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-ABI	ATCT	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW17R - HIRL, PAPI-4L	NPI-G	
RW35L - REIL, HIRL, PAPI-4L	NPI-G	
RW17L - HIRL, PAPI-4L	PIR-G	ROLL OUT
RW35R - MALSR, HIRL	PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1775.9	57.9	1770.8	1162		

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



AIRPORT ID
ABI

PROCEDURE NAME
ILS OR LOC RWY 35R

AMDT NO.
8

CITY
ABILENE

STATE
TX

AIRPORT ELEVATION
1791

FACILITY
I-ABI

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

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.

VEGETATION HEIGHT 100 FT PER FPT.

7:1 OBSTACLE 2143 AAO 321754N/0994109W

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	3.35
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.94
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	359.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	7.60
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	359.76
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2300

THRESHOLD COORDINATES (IF STR-IN) 322319.49N/0994028.86W
ARP COORDINATES 322440.80N/0994054.80W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 35R DISTANCE 1.40 NM
FAF COORDINATES 321823.82N/0994027.41W
FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME
ARTHUR ULVESTAD

OFFICE
AJV-A422

DATE
01/07/2026

TITLE
AERONAUTICAL INFORMATION SPECIALIST

