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	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
910	891	ILS OR LOC RWY 36	3	01/05/2017	3E	2000

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-FVH			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZAGTU INT/I-FVH 12.57 DME/RADAR	IF/IAF	RROBN/I-FVH 5.99 DME/RADAR					357.01	6.58 (I-FVH)	2500

MISSED APPROACH

MAP:
ILS: DA
LOC: 4.90 NM AFTER RROBN/5.99 DME/RADAR OR AT I-FVH 1.09 DME

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TNU VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):
CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT DSM VORTAC AND HOLD.

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)

2. PROFILE STARTS AT ZAGTU

3. FAC: 357.01 **FAF:** RROBN/I-FVH 5.99 DME/RADAR **DIST FAF TO MAP:** 4.90 **DIST FAF TO THLD:** 4.90

4. MIN ALT: ZAGTU INT/I-FVH 12.57 DME/RADAR 3000, RROBN/I-FVH 5.99 DME/RADAR 2500, PARRI/I-FVH 3.69 DME/RADAR 1760

5. DIST TO THLD FROM OM: **MM:** **IM:** **150 HAT:** **GS ANT:** 1046

6. MIN GS INCPT: 2500 **GS ALT AT PFAF :** RROBN/I-FVH 5.99 DME/RADAR 2500 **OM:** **MM:** **IM:**

7. GS ANGLE: 3.00 **34:1:** **20:1:** **TCH:** 51.5

8. MSA FROM: TNU VOR/DME 4000

QUALITY 10 CHECKED

EQUIPMENT REQUIREMENTS NOTE:

DME OR RADAR REQUIRED.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZAGTU ON V77 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 236.01 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW DSM VORTAC, RT, 042.03 INBOUND.
CHART FAS OBST: 1079 TOWER (19-055473) 413830N/0933420W.
CHART VDP AT 2.34 DME.
DISTANCE VDP TO THLD 1.25 NM.
CHART IN PLANVIEW: DSM VORTAC.
CHART CIRCLING ICON.

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

ALTERNATE: NA [X]

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
S-ILS 36	1091	3/4	200	1091	3/4	200	1091	3/4	200	1091	3/4	200			
S-LOC 36	1340	1	449	1340	1	449	1340	1 3/8	449	1340	1 3/8	449			
CIRCLING	1560	1	650	1560	1	650	1560	1 3/4	650	1760	2 3/4	850			

CHANGES - REASONS

1. ALTERNATE MISSED APPROACH INSTRUCTIONS: UPDATED INSTRUCTIONS FROM “CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT DSM VORTAC AND HOLD SW, RT, 42.03 INBOUND” TO “CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 DIRECT DSM VORTAC AND HOLD” - HOLDING PATTERN INFORMATION PUBLISHED IN ADDITIONAL FLIGHT DATA.
2. PROFILE LINE 4: REMOVED ASTERISK AFTER “PARRI/I-FVH 3.69 DME/RADAR 1760*” - NO LONGER REQUIRED.
3. EQUIPMENT REQUIREMENTS NOTE: MOVED AND UPDATED “CHART NOTE: DME OR RADAR REQUIRED” IN NOTES AND “CHART PLANVIEW NOTE: DME OR RADAR REQUIRED” IN ADDITIONAL FLIGHT DATA TO “DME OR RADAR REQUIRED” IN EQUIPMENT REQUIREMENTS - IAW 8260.19I 8-6-8.A.
4. NOTES: REMOVED “CHART NOTE: CIRCLING RWY 22 NA AT NIGHT” - 20:1 PENETRATIONS REMOVED FROM OBSTACLE DATABASE, CIRCLING AT NIGHT RESTORED PER FPT.
5. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM “1010 TREE 413917N/0933350W” TO “1079 TOWER (19-055473) 413830N/0933420W” - NEW CONTROLLING OBSTACLE IN THE LOC STEPDOWN SEGMENT.
6. ADDITIONAL FLIGHT DATA: REMOVED “CHART: 1023 TREE 413758N/0933351W” - 7:1 OBSTACLE NO LONGER APPLICABLE WITH UPDATED OBSTACLE EVALUATION AND INCREASED MINIMUMS.
7. ADDITIONAL FLIGHT DATA: REMOVED “*LOC ONLY” - NO LONGER REQUIRED.
8. ADDITIONAL FLIGHT DATA: UPDATED VDP NOTES FROM “CHART VDP AT 2.09 DME*” AND “DISTANCE VDP TO THLD 1.00 NM” TO “CHART VDP AT 2.34 DME” AND “DISTANCE VDP TO THLD 1.25 NM” - VDP LOCATION ADJUSTED FOR NEW MINIMUMS IAW 8260.3E FORMULA 2-6-5.
9. MINIMUMS: UPDATED S-LOC 36 MDA/HAT FROM “1260/369” TO “1340/449” - NEW CONTROLLING OBSTACLE IN THE LOC STEPDOWN SEGMENT.
10. MINIMUMS: UPDATED S-LOC 36 CAT C AND D VIS FROM “1” TO “1 3/8” - IAW 8260.3E TABLE 3-3-1 AND UPDATED SI MINIMUMS.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** ZAU, DSM APP CON, AMGR

FLIGHT CHECKED BY SHAWN D MAXWELL	*Digitally signed by* ***MICHAEL GARRITY*** Sep 06, 2023	**OFFICE** FPO	**DATE** 09/01/2023	
DEVELOPED BY ALLAN WILL (COLIN CAMPBELL)	*Digitally signed by* ***MICHAEL GARRITY*** Aug 03, 2023	**OFFICE** AJV-A423	**DATE** 06/20/2023	
APPROVED BY ALLAN WILL	*Digitally signed by* ***MICHAEL GARRITY*** Sep 06, 2023	**OFFICE** AJV-A423	**DATE** 11/30/2023	**TITLE** MANAGER

QUALITY 10 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM
ZAGTU INT/I-FVH 12.57 DME/RADAR (IF/IAF)

TO
RROBN/I-FVH 5.99 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	6.58				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-000078)	413331.00N/0933446.00W	1232	250	50	4D	500					1800
TERRAIN	413145.00N/0933742.00W	994 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: ILS

FROM
RROBN/I-FVH 5.99 DME/RADAR

TO
RW36

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.90		DA	200	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1091

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

FINAL: LOC

FROM	TO
RROBN/I-FVH 5.99 DME/RADAR	PARRI/I-FVH 3.69 DME/RADAR

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.30				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	413719.18N/0933400.57W	1150	50	20	2C	250				RA40 DG320	1760

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM	TO
PARRI/I-FVH 3.69 DME/RADAR	4.90 NM AFTER RROBN/5.99 DME/RADAR OR AT I-FVH 1.09 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.60		4.90 NM AFTER RROBN/5.99 DME/RADAR OR AT I-FVH 1.09 DME	449	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-055473)	413830.47N/0933420.23W	1079	20	3	1A	250					1340

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

MISSED APPROACH : ILS

FROM	TO
DA	TNU VOR/DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					924

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (19-001421)	414904.50N/0931235.30W	1458	500	50	5D	1000					2500
TERRAIN	414554.00N/0933006.00W	1089 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH : LOC

FROM	TO
4.90 NM AFTER RROBN/5.99 DME/RADAR OR AT I-FVH 1.09 DME	TNU VOR/DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					1090

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (19-001421)	414904.50N/0931235.30W	1458	500	50	5D	1000					2500
TERRAIN	414554.00N/0933006.00W	1089 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

MISSED APPROACH ALTERNATE : ILS

FROM	TO
DA	DSM VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					924

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
BLDG (19-000908)	413515.00N/0933743.00W	1456	100	20	3C	1000					2500
TERRAIN	412815.00N/0934245.00W	1062 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE : LOC

FROM	TO
4.90 NM AFTER RROBN/5.99 DME/RADAR OR AT I-FVH 1.09 DME	DSM VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					1090

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
BLDG (19-000908)	413515.00N/0933743.00W	1456	100	20	3C	1000					2500
TERRAIN	412815.00N/0934245.00W	1062 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

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											
TOWER (19-001050)	414044.50N/0933546.80W	1.30	650	1253	20	3	1A	300			1560
CATEGORY B											
TOWER (19-001050)	414044.50N/0933546.80W	1.84	650	1253	20	3	1A	300			1560
CATEGORY C											
TOWER (19-001050)	414044.50N/0933546.80W	2.89	650	1253	20	3	1A	300			1560
CATEGORY D											
TOWER (19-001078)	413805.00N/0933445.00W	3.77	850	1446	20	3	1A	300			1760

CIRCLING REMARKS:

MSA

CENTER	RADIUS
TNU VOR/DME	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (19-001431)	414948.00N/0933654.60W	274	22.9	2996	50	10	2B	1000			4000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

DSM APP CON, ZAU ARTCC, FOD FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3	KIKV	24	KIKV	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	KDSM	24	KDSM	10.38	Y	31

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KIKV 910, KDSM 958
RA = 30.7.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-FVH		24	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-G	
RW18 - MIRL, REIL (PCL), PAPI-2L	NPI-G	
RW22 - MIRL (PCL), REIL, PAPI-2L (PCL)	NPI-G	
RW36 - MIRL, REIL (PCL), PAPI-2L	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	887.8	51.5	875.0	1046	3.00	52.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

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.

RROBN IS A MEMORIAL FIX.

100 FT VEGETATION HEIGHT PER FPT.

I-FVH PROCEDURAL TCH 51.52 USED FOR DEVELOPMENT.

TNU VOR/DME USED FOR MSA AS IT COVERS ENTIRE PROCEDURE, DSM VORTAC DOES NOT.

BACKUP ALTIMETER CONTINGENCY NOTE:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DES MOINES ALTIMETER SETTING AND INCREASE S-ILS 36 DA TO 1122 FEET; INCREASE ALL MDAS 49 FEET AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

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**	**3.33**
WIDTH OF	**FINAL**	**SEGMENT AT 1000FT POINT**	**0.94**
TRUE COURSE OF	**FINAL**	**SEGMENT CONTAINING 1000FT POINT**	**000.01**
HIGH TERRAIN IN	**FINAL**	**SEGMENT CONTAINING 1000FT POINT**	**1000**
DISTANCE FROM	**THLD**	**TO 1500FT POINT**	**4.90**
WIDTH OF	**FINAL**	**SEGMENT AT 1500FT POINT**	**1.28**
TRUE COURSE OF	**FINAL**	**SEGMENT CONTAINING 1500FT POINT**	**000.01**
HIGH TERRAIN IN	**FINAL**	**SEGMENT CONTAINING 1500FT POINT**	**1000**

THRESHOLD COORDINATES (IF STR-IN)	414057.21N/0933356.98W
ARP COORDINATES	414128.85N/0933358.86W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.53 NM
FAF COORDINATES	413603.03N/0933357.05W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KIKV	ILS OR LOC RWY 36	3A	ANKENY	IA	910	I-FVH

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (COLIN CAMPBELL)	AJV-A423	06/20/2023	AERONAUTICAL INFORMATION SPECIALIST