

**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 AXA	PROCEDURE NAME RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT 1	CITY ALGONA	STATE IA
AIRPORT ELEVATION 1216	TDZE 1214	SUPERSEDED RNAV (GPS) RWY 12	DATED 11/07/2019	MAG VAR 3E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 27 NOVEMBER 2025	REQUIRED EFFECTIVE DATE 11/27/2025	EPOCH YEAR 2000
		ORIG-E	CANCEL/SUSPEND	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 038/30 CW 219/30	NOPT	038/5 CW 219/5		3100
2. 038/5 CW 219/5		HIGMU	IF/IAF	3000
2. 219/30 CW 309/30		JOPOR	IAF	3000
3. 309/30 CW 038/30		309/10 CW 038/10		3400
4. 309/10 CW 038/10		JAPKA	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JOPOR	IAF	HIGMU	NOPT	TF	FB	1.00	218.63	10.00	3000
JAPKA	IAF	HIGMU	NOPT	TF	FB	1.00	038.42	10.00	3000
HIGMU	IF/IAF	CUSET		TF	FB	1.00	128.52	5.03	2900
CUSET	FAF	RW13	MAP	TF	FO	0.30	128.58	5.17	
RW13	MAP	1464 MSL		CA			128.58		
1464 MSL		IFOLA		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT IFOLA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD NW HIGMU, RT, 128.52 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 128.58 **FAF:** CUSET **DIST FAF TO MAP:** 5.17 **DIST FAF TO THLD:** 5.17
4. **MIN ALT:** HIGMU 3000, CUSET 2900
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:** CUSET 2900 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS NOT CLEAR **TCH:** 40.0
8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 1 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 NA WHEN USING FXY ALTIMETER SETTING.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FXY ALTIMETER SETTING AND INCREASE LPV DA TO 1535 FEET; INCREASE LNAV/VNAV DA TO 1668 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 80 FEET.
 CHART NOTE: CIRCLING NA TO RWYS 18 AND 36.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 308.77 INBOUND.
 FAS OBST: 1450 AAO 430742N/0942157W.
 WAAS CHANNEL # 86547
 REFERENCE PATH ID: W13A
 LTP HAE: 341.2 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - 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	1464	1	250	1464	1	250		NA			NA					
LNAV/VNAV DA	1597	1 1/8	383	1597	1 1/8	383		NA			NA					
LNAV MDA	1700	1	486	1700	1	486		NA			NA					
CIRCLING	1740	1	524	1800	1	584		NA			NA					



CHANGES - REASONS

1. CHANGED ALL INSTANCES OF RWY 12 TO RWY 13 - PER FPT RUNWAY WILL BE REPAINTED TO 13/31.
2. TAA: ADDED RIGHT STEPDOWN FROM '309/30 CW 038/10' TO 'JOPKA' ALTITUDE 3000 - DUE TO SURVYED OBS, TOWER 19-028113 2368.
3. TERMINAL ROUTES: IF/IAF HIGMU-CUSET CHANGED DISTANCE FROM 5.00 TO 5.03 - PER FPT CUSET MOVED 181.87 FT.
4. TERMINAL ROUTES: MAP CA LEG MSL CHANGED TO 1464 MSL - IAW 8260.58C 3-5-2.B, LPV DA IS LOWEST ELEVATION.
5. MISSED APPROACH: ADDED MAP LPV: DA, LNAV/VNAV: DA - PER FPT ADDED LPV AND LNAV/VNAV LINES OF MINIMA.
6. PROFILE LINE 5: ADDED '250 HAT: 0.66' - PER FPT ADDED LPV.
7. PROFILE LINE 6: ADDED 'MIN GP INCPT: 2900', 'GP ALT AT PFAF: CUSET 2900' - PER FPT ADDED LPV AND LNAV/VNAV LINES OF MINIMA.
8. PROFILE LINE 7: ADDED 'GP ANGLE: 3.00', 'TCH: 40.0' - PER FPT.
9. PBN REQUIREMENTS NOTE: CHANGED FROM 'RNP APCH' TO 'RNP APCH - GPS' - IAW 8260.19J PARA 8-6-8D.
10. NOTES: ADDED CHART NOTE 'CIRCLING NA TO RWYS 18 AND 36' - PER FPT ENVIRONMENTAL (TURF), ADDED CIRCLING MINIMUMS.
11. NOTES: ADDED CHART PROFILE NOTE: 'VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})' - IAW 8260.19J PARA 8-6-10 M(1).
12. NOTES: CHANGED BACKUP ALTIMETER CHART NOTE FROM 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FOREST CITY ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET' TO 'WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FXY ALTIMETER SETTING AND INCREASE LPV DA TO 1535 FEET; INCREASE LNAV/VNAV DA TO 1668 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE ALL MDAS 80 FEET' - ADDED LPV AND LNAV/VNAV LINE OF MINS.
13. ADDITIONAL FLIGHT DATA: DELETED 'CUSET TO RW12: 3.00/40' - MOVED TO PROFILE LINE 7 DUE ADDING LPV AND LNAV/VNAV LINE OF MINS.
14. ADDITIONAL FLIGHT DATA: CHANGED FROM 'CHART FAS OBST: 1430 ELEV (19-001293) 430417N/0941701W' TO 'FAS OBST: 1450 AAO 430742N/0942157W' - NEW EVALUATION IAW 8260.19J 8-6-11C.
15. ADDITIONAL FLIGHT DATA: ADDED 'WAAS CHANNEL # 86547', 'REFERENCE PATH ID: W13A', 'LTP HAE: 341.2 M' - PER FPT ADDED LPV AND LNAV/VNAV LINES OF MINIMA.
16. ADDITIONAL FLIGHT DATA: CHANGED FROM 'HOLD SE, RT, 308.76 INBOUND' TO 'HOLD SE, RT, 308.77 INBOUND' - FIX IFOLA MOVED TO LINE UP WITH RWY 31 FINAL, MISSED APPROACH HOLDING MATCHES HILPT ON RWY 31.
17. MINIMUMS: ADDED LPV, LNAV/VNAV, CIRCLING - PER FPT.
18. MINIMUMS: LNAV MINIMUMS MDA/HAT CHANGED CAT A/B FROM 1680/465 TO 1700/486 - NEW CONTROLLING OBSTACLE.
19. ADDED FAS DATA BLOCK INFORMATION - PER FPT ADDED LPV AND LNAV/VNAV LINES OF MINIMA.

9/18/2026: THIS IS AN CORRECTED COPY OF THE FORM APPROVED ON 9/18/2025.
ADDED 11/27/2025 TO REQUIRED EFECTIVE DATE.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, AMGR

FLIGHT CHECKED BY

PENDNG

Digitally signed by
CASIMIR L TABAKA
Sep 18, 2025

OFFICE

DATE

DEVELOPED BY

RAFAEL A MARTINEZ

Digitally signed by
RAFAEL A MARTINEZ
May 05, 2025

OFFICE

AJV-A433

DATE

02/10/2025

APPROVED BY

BEV L BORDY

Digitally signed by
CASIMIR L TABAKA
Sep 18, 2025

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAXA
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	430452.2270N
LTP/FTP LONGITUDE	0941640.1545W
LTP/FTP ELLIPSOIDAL HEIGHT	+03412
FPAP LATITUDE	430352.9985N
FPAP LONGITUDE	0941509.3205W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 4C9BA0EC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03701
FPAP ORTHOMETRIC HEIGHT	+03701

