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	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
1216	1214	RNAV (GPS) RWY 12	ORIG-E	11/07/2019	3E	2000

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV			11/27/2025	

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				

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA

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/VANV 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		OFFICE	DATE
PENDNG	*Digitally signed by* ***CASIMIR L TABAKA*** Sep 18, 2025		

DEVELOPED BY		OFFICE	DATE
RAFAEL A MARTINEZ	*Digitally signed by* ***RAFAEL A MARTINEZ*** May 05, 2025	AJV-A433	02/10/2025

APPROVED BY		OFFICE	DATE	TITLE
BEV L BORDY	*Digitally signed by* ***CASIMIR L TABAKA*** Sep 18, 2025	AJV-A430		MANAGER

QUALITY 25 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
038/30 CW 219/30

TO
038/5 CW 219/5

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

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-001002)	432420.00N/0950502.00W	1985	500	50	5D	1000					3000
TERRAIN	432212.00N/0950445.00W	1584 (1600)								AS1500	3100

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
038/5 CW 219/5

TO
HIGMU

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

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-060982)	430716.93N/0942753.38W	1810	250	50	4D	1000				AT190	3000
TERRAIN	430948.00N/0942933.00W	1315 (1300)								AS1500	2900

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

LEFT BASE AREA

FROM	TO
219/30 CW 309/30	JOPOR

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-060982)	430716.93N/0942753.38W	1810	250	50	4D	1000				AT190	3000
TERRAIN	433442.00N/0934251.00W	1404 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

RIGHT BASE AREA

FROM	TO
309/30 CW 038/30	309/10 CW 038/10

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-028113)	424902.71N/0942441.95W	2368	250	50	4D	1000					3400
TERRAIN	424406.00N/0945933.00W	1341 (1300)								AS1500	2800

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

RIGHT BASE AREA

FROM	TO
309/10 CW 038/10	JAPKA

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-060982)	430716.93N/0942753.38W	1810	250	50	4D	1000				AT190	3000
TERRAIN	430924.00N/0942848.00W	1322 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
JOPOR	HIGMU

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	10.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-057800)	431301.55N/0942830.92W	1772	250	50	4D	1000				AT228	3000
TERRAIN	431136.00N/0942903.00W	1286 (1300)								AS1500	2800

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

INITIAL

FROM	TO
JAPKA	HIGMU

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	10.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-060990)	430744.90N/0942823.59W	1804	250	50	4D	1000				AT196	3000
TERRAIN	430924.00N/0942848.00W	1322 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM	TO
HIGMU (IF/IAF)	CUSET

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	5.03				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-061534)	431021.91N/0942904.02W	1790	250	50	4D	500				AT610	2900
TERRAIN	430757.00N/0942645.00W	1322 (1300)								AS1500	2800

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

FINAL: LPV

FROM	TO
CUSET	RW13

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.17		DA	250	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRAVERSE_WAY (19-066301)	430458.50N/0941652.32W	1240	20	3	1A		34.00:1				1464

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM	TO
CUSET	RW13

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.17		DA	383	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	430554.00N/0941718.00W	1314	215	8	4B		23.40:1			AC8	1597

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM	TO
CUSET	RW13

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.17		RW13	486	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430742.00N/0942157.00W	1450	215	8	4B	250					1700

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

HOLD-IN-LIEU OF PT

FROM	TO
HIGMU	P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (19-055852)	431300.14N/0943918.78W	1825	250	50	4D	1000				AT175	3000
TERRAIN	431306.00N/0943930.00W	1332 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM	TO
DA	IFOLA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					1277

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WINDMILL (19-064803)	430144.23N/0940914.44W	1751	250	50	4D	1000					2800
TERRAIN	430215.00N/0940854.00W	1269 (1300)								AS1500	2800

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

MISSED APPROACH: LNAV/VNAV

FROM	TO
DA	IFOLA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30					1455

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WINDMILL (19-064803)	430144.23N/0940914.44W	1751	250	50	4D	1000					2800
TERRAIN	430215.00N/0940854.00W	1269 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM	TO
RW13	IFOLA

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30					1600

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WINDMILL (19-064803)	430144.23N/0940914.44W	1751	250	50	4D	1000					2800
TERRAIN	430215.00N/0940854.00W	1269 (1300)								AS1500	2800

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
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

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											
ELEVATOR (19-001293)	430417.00N/0941701.00W	1.31	524	1430	50	20	2C	300			1740
CATEGORY B											
TOWER (19-000903)	430515.00N/0941419.00W	1.85	584	1444	500	50	5D	300		AC50	1800

CIRCLING REMARKS:

MSA/ESA

CENTER **RADIUS**

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZMP ARTCC, FOD FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	AXA	24	AXA	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	FXY	24	FXY	29.90	Y	71

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KAXA 1216, KFXY 1229
RA = 70.8.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW18		
RW36		
RW13 - REIL (PCL), MIRL (PCL), PAPI-2L (PCL)	NPI-F	
RW31 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)	NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1214.2	40.0			3.00	29.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	[X]	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE 199
ON CENTERLINE	[X]	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-17C	+54C	-17C	+12.59C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 721 HIGH TEMP 1142.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 13	
20:1		
1218 LIGHTING (19-066353) 430452.970N/0941643.570W (1.83)		1217 LIGHTING (19-066352) 430454.620N/0941641.550W (0.88)
FINAL TYPE	LPV, LNAV/VNAV, LNAV	

20:1		
1218 LIGHTING (19-066353) 430452.970N/0941643.570W (1.83)		1217 LIGHTING (19-066352) 430454.620N/0941641.550W (0.88)
FINAL TYPE	LPV, LNAV/VNAV, LNAV	
34:1		
1238 TRAVERSE_WAY (19-066398) 430458.490N/0941645.100W (9.22)		1236 TRAVERSE_WAY (19-037750) 430458.490N/0941644.780W (7.75)
1239 TRAVERSE_WAY (19-066244) 430458.490N/0941647.620W (6.11)		1237 TRAVERSE_WAY (19-038957) 430458.500N/0941647.240W (4.71)
1239 TRAVERSE_WAY (19-037751) 430458.500N/0941649.750W (2.62)		
PENETRATIONS REMARKS:		

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS EXIST.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
100' TREE HEIGHT APPLIED PER FPT.
MINIMA LIMITED TO CAT A/B PER CEN FPT.
FPT APPROVED NIGHT OPERATIONS.
TCH 40 TO CLEAR VGS PENETRATIONS.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
AXA	RNAV (GPS) RWY 13	1	ALGONA	IA	1216	RNAV

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**	3.28
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	131.58
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	1300
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.97
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.95
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	131.58
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	1300

THRESHOLD COORDINATES (IF STR-IN)	430452.23N/0941640.15W
ARP COORDINATES	430440.07N/0941618.39W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 13 DISTANCE 0.37 NM
FAF COORDINATES	430818.19N/0942156.64W
FIX NAME COORDINATES	IF/IAF HIGMU 431138.42N/0942705.26W

REMARKS

NO ADDITIONAL AIRSPACE NEEDED.
TAA: HIGMU 038/30 CW 219/30, JAPKA 309/30 CW 038/30, JOPOR 219/30 CW 309/30.
THLD DISPLACED 199FT, ACTUAL COORDINATES: 430453.54N/0941642.16W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAFAEL A MARTINEZ	AJV-A433	02/10/2025	AERONAUTICAL INFORMATION SPECIALIST