

**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 ALBIA MUNI	AIRPORT ID K4C8	PROCEDURE NAME RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT ORIG-B	CITY ALBIA	STATE IA
AIRPORT ELEVATION 964	TDZE 964	SUPERSEDED RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT ORIG-A	DATED 05/28/2015	MAG VAR 2E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 28 FEBRUARY 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 2000

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 037/30 CW 217/30	NOPT	WIVEV	IF/IAF	3000
2. 217/30 CW 037/30		WIVEV	IF/IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WIVEV	IF/IAF	CEPUX		TF	FB	1.00	126.67	6.00	2600
CEPUX	FAF	RW13	MAP	TF	FO	0.30	126.74	5.06	
RW13	MAP	1268 MSL		CA			126.74		
1268 MSL		KIGIQ		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT KIGIQ AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NW WIVEV, RT, 126.67 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 126.74 **FAF:** CEPUX **DIST FAF TO MAP:** 5.06 **DIST FAF TO THLD:** 5.06
- 4. **MIN ALT:** WIVEV 3000, CEPUX 2600
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **304 HAT:** 0.88 **GS ANT:**
- 6. **MIN GP INCPT:** 2600 **GP ALT AT FAF :** CEPUX 2600 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 30.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: BARO-VNAV NA.
 CHART NOTE: USE OTTUMWA ALTIMETER SETTING, WHEN NOT RECEIVED USE CENTERVILLE ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART OTTUMWA RGNL ASOS
 CHART CIRCLING ICON.
 WAAS CHANNEL #50533
 REFERENCE PATH ID: W13A
 CHART FAS OBST: 1293 TOWER 410049N/0924852W.
 HOLD SE, RT, 306.93 INBOUND
 LTP HAE: 259.9 M

MINIMUMS:

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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1268	1	304	1268	1	304		NA			NA					
LNAV/VNAV DA	1291	1 1/8	327	1291	1 1/8	327		NA			NA					
LNAV MDA	1600	1	636	1600	1	636		NA			NA					
CIRCLING	1600	1	636	1760	1	796		NA			NA					



CHANGES - REASONS

1. TERMINAL ROUTES: DELETED WUZGA SDF - NEW OBSTACLE EVALUATION RESULTED IN REMOVAL OF STEPDOWN FIX.
2. TERMINAL ROUTES: CHANGED CA LEG ALTITUDE FROM 1262 TO 1268 - UPDATED TO TDZE.
3. LINE 4: DELETED WUZGA/2.20 NM TO RW13 1680* - STEPDOWN FIX (WUZGA) WAS REMOVED.
4. MINIMA: INCREASED LPV DA ALL CATS FROM 1262 TO 1268 - INCORPORATED P-NOTAM.
5. MINIMA: INCREASED LNAV/VNAV DA ALL CATS FROM 1285 TO 1291 - INCORPORATED P-NOTAM.
6. MINIMA: INCREASED LNAV MDA/HAT ALL CATS FROM 1380/422 TO 1600/636 - NEW OBSTACLE EVALUATION.
7. MINIMA: INCREASED CIRCLING CAT A MDA/HAA FROM 1440/476 TO 1600/636 - LNAV FINAL MINIMA INCREASE.
8. NOTES: DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN EQUIPMENT REQUIREMENTS NOTE: RNP APCH - PER 8260.19H DOCUMENTATION CRITERIA.
9. NOTES: CHANGED HELICOPTER NOTE FROM HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA TO RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 8260.19H, PARA 8-6-11 K(3).
10. LINE 7: ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS EXIST.
11. ADDITIONAL FLIGHT DATA: CHANGED DISTANCE TO THLD FROM 304 HATH: 0.86 NM TO 304 HAT: 0.88 NM - NEW LPV FINAL EVALUATION.
12. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM 1069 TREE TO 1293 TOWER - NEW FINAL EVALUATION.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZAU, AMGR.

FLIGHT CHECKED BY

Digitally signed by

DAVID DANNER

Dec 21, 2018

KIM M BROWN

OFFICE

FICO

DATE

12/18/18

DEVELOPED BY

Digitally signed by

DAVID DANNER

Dec 21, 2018

JAMES ROGERS

OFFICE

AJV-5421

DATE

08/02/2018

APPROVED BY

Digitally signed by

DAVID DANNER

Dec 21, 2018

JULIE MORGAN

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4C8
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	405957.0775N
LTP/FTP LONGITUDE	0924613.7575W
LTP/FTP ELLIPSOIDAL HEIGHT	+02599
FPAP LATITUDE	405901.2045N
FPAP LONGITUDE	0924442.0700W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 6FABEDBA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02921
FPAP ORTHOMETRIC HEIGHT	+02921