

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.

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SUPERSEDED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

TAA

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>ALTITUDE</u> |
|---------------------|------------------------|------------------|------------------------|------------------------|
| 1. 037/30 CW 217/30 | NOPT | WIVEV | IF/IAF | 3000 |
| 2. 217/30 CW 037/30 | | WIVEV | IF/IAF | 3000 |

TERMINAL ROUTES

| <u>FROM</u> | <u>FIX TYPE</u> | <u>TO</u> | <u>FIX TYPE</u> | <u>LEG TYPE</u> | <u>FO/FB</u> | <u>RNP</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>ALTITUDE</u> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| 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: MM: IM:

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 | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | DA/MDA | VIS | HAT/HAA | 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

DEVELOPED BY

Digitally signed by

DAVID DANNER

Dec 21, 2018

APPROVED BY

Digitally signed by

DAVID DANNER

Dec 21, 2018

JULIE MORGAN

OFFICE

FICO

OFFICE

AJV-5421

OFFICE

AJV-5420

DATE

12/18/18

DATE

08/02/2018

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 |