

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> GARDEN CITY RGNL | <u>AIRPORT ID</u> KGCK | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 12 | <u>ORIGINAL/AMENDMENT</u> ORIG-A | <u>CITY</u> GARDEN CITY | <u>STATE</u> KS | |
| <u>AIRPORT ELEVATION</u> 2891 | <u>TDZE</u> 2891 | <u>SUPERSEDED</u> RNAV (GPS) RWY 12 | <u>ORIGINAL/AMENDMENT</u> ORIG | <u>DATED</u> 07/05/2007 | <u>MAG VAR</u> 9E | <u>EPOCH YEAR</u> 1985 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

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> |
|-----------------------|-----------------|-----------------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| GCK VORTAC | | ERGE | | TF | FO | 1.00 | 307.49 | 11.74 | 4500 |
| ADEER | IAF | ERGE | NOPT | TF | FB | 1.00 | 048.35 | 10.02 | 4500 |
| YANUK | IAF | ERGE | NOPT | TF | FB | 1.00 | 185.61 | 5.01 | 4500 |
| ERGE | IF/IAF | NOPYI | | TF | FB | 1.00 | 126.31 | 6.12 | 4500 |
| NOPYI | FAF | JOKEK/2.20 NM TO RW12 | | TF | FB | 0.30 | 126.37 | 2.64 | |
| JOKEK/2.20 NM TO RW12 | | RW12 | MAP | TF | FO | 0.30 | 126.37 | 2.20 | |
| RW12 | MAP | 3141 MSL | | CA | | | 126.37 | | |
| 3141 MSL | | ORECA | | DF | FO | 1.00 | | | 4600 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4600 DIRECT ORECA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
41
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW RERGE, RT, 126.31 INBOUND, 4500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 126.37 FAF: NOPYI DIST FAF TO MAP: 4.84 DIST FAF TO THLD: 4.84

4. MIN ALT: RERGE 4500, NOPYI 4500, JOKEK/2.20 NM TO RW12 3620*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.64 GS ANT: MM: IM:

6. MIN GP INCPT: 4500 GP ALT AT FAF : NOPYI OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 47.0

8. MSA FROM: RW12 5000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20°C OR ABOVE 43°C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.07 NM TO RW12*
*LNAV ONLY
WAAS CHANNEL #77803
REFERENCE PATH ID: W12A
CHART FAS OBST: 3027 ELEVATOR 375727N/1004449W.
CHART 2991 POLE 375819N/1004627W.
HOLD SE, RT, 306.52 INBOUND
LTP HAE: 855.5 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 | 3141 | 1 | 250 | 3141 | 1 | 250 | 3141 | 1 | 250 | 3141 | 1 | 250 | | | |
| LNAV/VNAV DA | 3184 | 1 | 293 | 3184 | 1 | 293 | 3184 | 1 | 293 | 3184 | 1 | 293 | | | |
| LNAV MDA | 3280 | 1 | 389 | 3280 | 1 | 389 | 3280 | 1 1/8 | 389 | 3280 | 1 1/4 | 389 | | | |
| CIRCLING | 3320 | 1 | 429 | 3360 | 1 | 469 | 3480 | 1 1/2 | 589 | 3480 | 2 | 589 | | | |



CHANGES - REASONS

1. RAISED CAT A CIRCLING FROM CMDA 3280/HAA 389 TO CMDA 3320/HAA 429 - NEW CTL OBST.
2. RAISED CAT C CIRCLING FROM CMDA 3360/HAA 469 TO CMDA 3480/HAA 589 - NEW CTL OBST.
3. RAISED CAT D CIRCLING FROM CMDA 3460/HAA 569 TO CMDA 3480/HAA 589 - NEW CTL OBST
4. CHANGED MSA RWY 17 25 NM FROM 4800 TO 5000 - NEW CTL OBST.
5. REPLACED CHART NOTE: DME/DME RNP-0.3 NA WITH RNP APCH AND MOVED TO PBN EQUIPMENT REQUIREMENTS NOTE SECTION - IAW 8260.19H PARA 8-6-8 (B)(1).
6. UPDATED BACK-UP ALTIMETER NOT AND MOVED TO 8260-9 PART C, REMARKS - PRIMARY ALTIMETER SOURCE ON WMSCR, IAW 8260.19H PARA 8-6-9 (F).
7. REMOVED BACK-UP ALTIMETER NOTES TO -9 FOR CONTENGENCY - LOCAL WEATHER ON ASOS AND TRANSMITTED ON WMSCR.
8. CHANGED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C (-4°F) OR ABOVE 43°C (109°F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 43°C - REMOVED °F IAW 8260.19H.
9. INCREASED LNAV CAT C VISIBILITY FROM 1 SM TO 1 1/8 SM - NEW VISIBILITY TABLE APPLIED.
10. ADDED CHART NOTE: CHART CIRCLING ICON - IAW 8260.19H PARA 8-6-10.
11. CHANGED CHART FAS OBST FROM 3025 ELEVATOR TO 3027 ELEVATOR - SAME OBST, UPDATED DATABASE.
12. REMOVED CHART FAS OBST: 2895 TERRAIN - ONLY NON-VERTICALLY GUIDED OBSTACLES ARE CHARTED AS FAS OBST.
13. CHANGED CHART 3326 TOWER 375727N/1004847W TO CHART 2991 POLE 375819N/1004627W - NEW LNAV FINAL CTL OBST.
14. CRC REMAINDER CHANGED FROM 4A390051 TO 34B1A19B - LTP/FTP AND FPAP LOCATIONS CHANGED

COORDINATED WITH:

A4A☒ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: AMGR, KS STATE AERO, ZKC, GCK ATCT

FLIGHT CHECKED BY

BRIAN HARRELSON

Digitally signed by
WARDELL HENNING
Aug 02, 2019

OFFICE
FICO

DATE
7/26/19

DEVELOPED BY

WARDELL HENNING (STEVEN SCHUTRUM)

Digitally signed by
WARDELL HENNING
Aug 02, 2019

OFFICE
AJV-A432

DATE
03/12/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Aug 02, 2019

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 | KGCK |
| RUNWAY | RW12 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W12A |
| LTP/FTP LATITUDE | 375551.2145N |
| LTP/FTP LONGITUDE | 1004359.7940W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +08555 |
| FPAP LATITUDE | 375447.6840N |
| FPAP LONGITUDE | 1004240.7515W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00047.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1016 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | 34B1A19B |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K3 |
| LTP ORTHOMETRIC HEIGHT | +08811 |
| FPAP ORTHOMETRIC HEIGHT | +08811 |

