

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.

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|---|---|--|--|-----------------------------------|----------------------------------|
| <u>AIRPORT</u> SHELBYVILLE MUNI | <u>AIRPORT ID</u> KGEZ | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 19 | <u>ORIGINAL/AMENDMENT</u> 1C | <u>CITY</u> SHELBYVILLE | <u>STATE</u> IN |
| <u>AIRPORT ELEVATION</u> 803 | <u>TDZE</u> 803 | <u>SUPERSEDED</u> RNAV (GPS) RWY 19 | <u>ORIGINAL/AMENDMENT</u> 1B | <u>DATED</u> 11/10/2016 | <u>MAG VAR</u> 4W |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | <u>EPOCH YEAR</u> 2000 |

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> |
|--------------------|------------------------|------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| SHB VOR/DME | | DOTYY | | TF | FO | 2.00 | 015.96 | 8.93 | 3000 |
| ZAVNE | | EKUZE | | TF | FB | 2.00 | 112.33 | 10.94 | 3000 |
| OPVAF | IAF | DOTYY | NOPT | TF | FB | 1.00 | 278.60 | 5.00 | 3000 |
| HOMAR | IAF | DOTYY | NOPT | TF | FB | 1.00 | 228.11 | 9.60 | 3000 |
| EKUZE | IAF | DOTYY | NOPT | TF | FB | 1.00 | 098.46 | 5.00 | 3000 |
| DOTYY | IF/IAF | LISTE | | TF | FB | 1.00 | 188.53 | 6.01 | 2500 |
| LISTE | FAF | RW19 | MAP | TF | FO | 0.30 | 188.52 | 5.11 | |
| RW19 | MAP | 1095 MSL | | CA | | | 188.52 | | |
| 1095 MSL | | WAGSE | | DF | FO | 1.00 | | | 3000 |

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW19

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT WAGSE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD N DOTYY, RT, 188.53 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 188.52 FAF: LISTE DIST FAF TO MAP: 5.11 DIST FAF TO THLD: 5.11

4. MIN ALT: DOTYY 3000, LISTE 2500

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 292 HAT: 0.78 GS ANT:

6. MIN GP INCPT: 2500 GP ALT AT FAF : LISTE 2500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 45.0

8. MSA FROM: RW19 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 9, 27 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: VDP NA WHEN USING INDIANAPOLIS INTL ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING: INCREASE LPV DA TO 1152 FEET AND LNAV/VNAV DA TO 1199 FEET; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C AND D 1/8 SM.

ADDITIONAL FLIGHT DATA:

CHART 1089 POWERLINE 394004N/0854745W
CHART R-3401B
CHART R-3401A
CHART VDP AT 0.94 NM TO RW19*
*LNAV ONLY
WAAS CHANNEL #53603
REFERENCE PATH ID: W19A
CHART FAS OBST: 876 TREE 393534N/0854831W.
CHART 868 TREE 393606N/0854813W.
HOLD S, RT, 008.50 INBOUND
LTP HAE: 210.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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 | 1095 | 1 | 292 | 1095 | 1 | 292 | 1095 | 1 | 292 | 1095 | 1 | 292 | | | |
| LNAV/VNAV DA | 1142 | 1 1/4 | 339 | 1142 | 1 1/4 | 339 | 1142 | 1 1/4 | 339 | 1142 | 1 1/4 | 339 | | | |
| LNAV MDA | 1140 | 1 | 337 | 1140 | 1 | 337 | 1140 | 1 | 337 | 1140 | 1 | 337 | | | |
| CIRCLING | 1200 | 1 | 397 | 1260 | 1 | 457 | 1320 | 1 1/2 | 517 | 1480 | 2 1/4 | 677 | | | |



CHANGES - REASONS

- 1. DELETED TERMINAL ROUTE CUPJU TO OPVAF - DECOMMISSIONING OF RID VORTAC.
- 2. PROFILE VIEW, LINE 2, ADDED MAX HOLDING ALTITUDE - CURRENT DOCUMENTATION POLICY.
- 3. PROFILE VIEW, LINE 6, ADDED GP ALT AT LISTE 2500 - CURRENT DOCUMENTATION POLICY.
- 4. PROFILE VIEW, LINE 7, ADDED 20:1 IS CLEAR - CURRENT DOCUMENTATION POLICY.
- 5. REPLACED "DME/DME RNP-0.3 NA" NOTE WITH PBN EQUIPMENT REQUIREMENTS NOTE - CURRENT DOCUMENTATION POLICY.
- 6. CHANGED HIGH TEMPERATURE LIMIT FOR BARO-VNAV FROM 47 TO 54 DEG C - RECALCULATION.
- 7. REMOVED FAHRENHEIT VALUES FROM BARO-VNAV TEMPERATURE NOTE - CURRENT DOCUMENTATION POLICY.
- 8. UPDATED BACKUP ALTIMETER NOTE - RECALCULATION.



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|------------------------------------|---------------------------|--|---------------------------------|----------------------------|--------------------|
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|------------------------------------|---------------------------|--|---------------------------------|----------------------------|--------------------|

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZID, IND APP CON, AMGR

FLIGHT CHECKED BY *Digitally signed by* OFFICE DATE
FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS **DEZ SILAGYI**
GROUP (AJW-33) MEMO, DEC 22, 2017. Jun 19, 2018

DEVELOPED BY *Digitally signed by* OFFICE DATE
RUSS ROSLEWSKI **RUSSELL ROSLEWSKI** AJV-5421 05/02/2018
Jun 15, 2018

APPROVED BY *Digitally signed by* OFFICE DATE TITLE
JULIE MORGAN **DEZ SILAGYI** AJV-5420 MANAGER
Jun 19, 2018



FAS DATA BLOCK INFORMATION

| <u>DATA FIELD</u> | <u>DATA</u> |
|--|---------------|
| OPERATION TYPE | 0 |
| SBAS SERVICE PROVIDER IDENTIFIER | 0 |
| AIRPORT IDENTIFIER | KGEZ |
| RUNWAY | RW19 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W19A |
| LTP/FTP LATITUDE | 393535.7660N |
| LTP/FTP LONGITUDE | 0854811.7750W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +02107 |
| FPAP LATITUDE | 393406.8700N |
| FPAP LONGITUDE | 0854820.8600W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00045.0 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 1224 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 50.0 |
| CRC REMAINDER | C4A33804 |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K5 |
| LTP ORTHOMETRIC HEIGHT | +02445 |
| FPAP ORTHOMETRIC HEIGHT | +02445 |

