

**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 ID</u> KSOW | <u>PROCEDURE NAME</u> RNAV (GPS) RWY 25 | <u>ORIGINAL/AMENDMENT</u> 3A | <u>CITY</u> SHOW LOW | <u>STATE</u> AZ | | |
| <u>AIRPORT ELEVATION</u> 6416 | <u>TDZE</u> 6405 | <u>SUPERSEDED</u> RNAV (GPS) RWY 25 | <u>ORIGINAL/AMENDMENT</u> 3 | <u>DATED</u> 07/19/2018 | <u>MAG VAR</u> 10E | <u>EPOCH YEAR</u> 2020 |
| <u>FACILITY</u> RNAV | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022 | <u>REQUIRED EFFECTIVE DATE</u> ROUTINE | <u>CANCEL/SUSPEND</u> | | |

TERMINAL ROUTES

| FROM | FIX TYPE | TO | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE | ALTITUDE |
|-----------------------|----------|-----------------------|----------|----------|-------|------|--------|----------|----------|
| DEHOG | | JASUR | | TF | FO | 1.00 | 100.58 | 12.81 | 9700 |
| WEKUM | | JASUR | | TF | FO | 1.00 | 046.06 | 29.23 | 9700 |
| SJN VORTAC | IAF | JASUR | NOPT | TF | FB | 1.00 | 248.33 | 31.86 | 9700 |
| JASUR | IF/IAF | POBUE | | TF | FB | 1.00 | 246.12 | 3.88 | 8700 |
| POBUE | | CUBOL | | TF | FB | 1.00 | 246.08 | 2.13 | 8200 |
| CUBOL | FAF | HEVAM/3.00 NM TO RW25 | | TF | FB | 0.30 | 246.05 | 2.49 | |
| HEVAM/3.00 NM TO RW25 | | RW25 | MAP | TF | FO | 0.30 | 246.05 | 3.00 | |
| RW25 | MAP | 6605 MSL | | CA | | | 246.05 | | |
| 6605 MSL | | ZAXIN | | DF | FB | 1.00 | | | |
| ZAXIN | | WEKUM | | TF | FO | 1.00 | 203.98 | 14.80 | 13000 |

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 13000 DIRECT ZAXIN AND ON TRACK 203.98 TO WEKUM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD NE JASUR, RT, 246.12 INBOUND, 9700 FT. IN LIEU OF PT (IAF), MAX 14000.
- 3. **FAC:** 246.05 **FAF:** CUBOL **DIST FAF TO MAP:** 5.49 **DIST FAF TO THLD:** 5.49
- 4. **MIN ALT:** JASUR 9700, POBUE 8700, CUBOL 8200, HEVAM/3.00 NM TO RW25 7400
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.48 **GS ANT:**
- 6. **MIN GP INCPT:** 8200 **GP ALT AT PFAF:** CUBOL 8200 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 51.3
- 8. **MSA FROM:** RW25 12600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA SE OF RWYS 4 AND 25.
 CHART NOTE: CIRCLING RWY 4 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SJN VORTAC AIRWAY RADIALS 236 CW 284.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 057.98 INBOUND.
 CHART FAS OBST: 6558 TREE (04-029164) 341556N/1095738W.
 CHART VDP AT 1.16 NM TO RW25.
 WAAS CHANNEL # 72718
 REFERENCE PATH ID: W25A
 CHART CIRCLING ICON.
 LTP HAE: 1926.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 800-2 1/4, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

| CATEGORY: | A | | | B | | | C | | | D | | | E | | |
|------------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|---------------|------------|----------------|
| | DA/MDA | VIS | HAT/HAA |
| LPV DA | 6605 | 3/4 | 200 | 6605 | 3/4 | 200 | 6605 | 3/4 | 200 | 6605 | 3/4 | 200 | | | |
| LNAV/VNAV DA | 6704 | 7/8 | 299 | 6704 | 7/8 | 299 | 6704 | 7/8 | 299 | 6704 | 7/8 | 299 | | | |
| LNAV MDA | 6820 | 1 | 415 | 6820 | 1 | 415 | 6820 | 1 1/8 | 415 | 6820 | 1 1/8 | 415 | | | |
| CIRCLING | 6840 | 1 | 424 | 6880 | 1 | 464 | 7180 | 2 1/4 | 764 | 7340 | 3 | 924 | | | |



CHANGES - REASONS

1. CHART VDP AT 1.1 NM TO RW25* CHANGED TO CHART VDP AT 1.16 NM TO RW25.- LNAV MINIMUMS RAISED 20 FEET.
2. REMOVED ""LNAV ONLY" FROM PROFILE LINE 4.- 8260.19I 8-6-10.M.
3. FAS OBST: CHANGED FROM 6548 TREE 341556N/1095738W TO 6558 TREE (04-029164) 341556N/1095738W.- UPDATED OBSTACLE EVALUATION, SAME OBSTACLE, NEW SURVEY RAISED HEIGHT 10 FT.
4. LNAV ALL CATS MDA/HAT CHANGED FROM 6800/395 TO 6820/415.- SAME CONTROLLING OBSTACLE, NEW SURVEY RAISED HEIGHT 10 FT.
5. CIRCLING CATS A/B/C/D HAA CHANGED FROM 425/465/765/925 TO 424/464/764/924.- AIRPORT ELEVATION CHANGED FROM 6415 TO 6416.
6. CHANGED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C (7°F) OR ABOVE 45°C (114°F)" TO " CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - 8260.19I, 8-6-9.R.12, AND AVERAGE COLD TEMPERATURE DERIVED FROM UPDATED 5-YEAR HISTORY.
7. LTP/FTP LAT/LONG CHANGED FROM 341606.8435N/1095944.7080 TO 34606.8445N/1095944.7015W.- NEW VG SURVEY.
8. FPAP LAT/LONG CHANGED FROM 341545.2240N/1100129.0110W TO 341545.2145N/11001029.0010W.- LTP LAT/LONG CHANGED.
9. LENGTH OFFSET CHANGED FROM 0560 TO 0552.- NEW VG SURVEY.
10. CRC REMAINDER CHANGED FROM 1EC6FEC7 TO 45574D62.- UPDATED LTP/FTP LAT/LONG, FPAP LAT/LONG, LENGTH OFFSET.
11. "RNP APCH" CHANGED TO "RNP APCH-GPS."- UPDATED REQUIREMENTS 8260.19I 8-6-8.B
12. AIRPORT ELEVATION CHANGED FROM 6415 TO 6416.- NEW VG SURVEY.
13. CHART PLANVIEW NOTE CHANGED FROM "PROCEDURE NA FOR ARRIVALS AT SJN VORTAC ON V264 EASTBOUND" TO "PROCEDURE NA FOR ARRIVAL ON SJN VORTAC AIRWAY RADIALS 236 CW 284."- TO DISALLOW TURNS GREATER THAN 90 DEGREES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAB, AMGR, ATA

FLIGHT CHECKED BY

DANIEL C FAVORITE

Digitally signed by

DONALD H LANIER

Dec 22, 2021

OFFICE

FPO

DATE

12/20/2021

DEVELOPED BY

DONALD H. LANIER (TIA FERONTI)

Digitally signed by

DONALD H LANIER

Dec 22, 2021

OFFICE

AJV-A432

DATE

09/15/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Dec 22, 2021

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 | KSOW |
| RUNWAY | RW25 |
| APPROACH PERFORMANCE DESIGNATOR | 0 |
| ROUTE INDICATOR | |
| REFERENCE PATH DATA SELECTOR | 0 |
| REFERENCE PATH IDENTIFIER (APPROACH ID) | W25A |
| LTP/FTP LATITUDE | 341606.8445N |
| LTP/FTP LONGITUDE | 1095944.7015W |
| LTP/FTP ELLIPSOIDAL HEIGHT | +19269 |
| FPAP LATITUDE | 341545.2145N |
| FPAP LONGITUDE | 1100129.0010W |
| THRESHOLD CROSSING HEIGHT (TCH) | 00051.3 |
| TCH UNITS SELECTOR (METERS OR FEET USED) | F |
| GLIDEPATH ANGLE (GPA) | 03.00 |
| COURSE WIDTH AT THRESHOLD | 106.75 |
| LENGTH OFFSET | 0552 |
| HORIZONTAL ALERT LIMIT (HAL) | 40.0 |
| VERTICAL ALERT LIMIT (VAL) | 35.0 |
| | |
| CRC REMAINDER | 45574D62 |

ADDITIONAL PATH POINT RECORD INFORMATION

| | |
|-------------------------|--------|
| ICAO CODE | K2 |
| LTP ORTHOMETRIC HEIGHT | +19507 |
| FPAP ORTHOMETRIC HEIGHT | +19507 |

