

**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 ID GWB	PROCEDURE NAME RNAV (GPS) RWY 27	ORIGINAL/AMENDMENT 1	CITY AUBURN	STATE IN
AIRPORT ELEVATION 881	TDZE 881	SUPERSEDED RNAV (GPS) RWY 27	DATED 04/27/2017	MAG VAR 5W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 31 OCTOBER 2024	REQUIRED EFFECTIVE DATE 10/31/2024	EPOCH YEAR 2000
		ORIG-D	CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TAZCE		NABJI		TF	FB	1.00	095.93	9.57	3000
NABJI	IAF	JUGIG	NOPT	TF	FB	1.00	184.48	5.00	3000
KUJBI	IAF	JUGIG	NOPT	TF	FB	1.00	004.48	5.00	3000
JUGIG	IF/IAF	HIFBA		TF	FB	1.00	274.47	5.72	2500
HIFBA	FAF	RW27	MAP	TF	FO	0.30	274.40	4.95	
RW27	MAP	1081 MSL		CA			274.40		
1081 MSL		DOVQU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT DOVQU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E JUGIG, RT, 274.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC: 274.40 FAF: HIFBA DIST FAF TO MAP: 4.95 DIST FAF TO THLD: 4.95
- MIN ALT: JUGIG 3000, HIFBA 2500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.49 GS ANT: IM:
- MIN GP INCPT: 2500 GP ALT AT PFAF: HIFBA 2500 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 46.9
- MSA FROM: RW27 2700



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TAZCE ON V221 SOUTHBOUND.
 CHART SPEED ICON IN PLANVIEW AT TAZCE: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT NABJI: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT KUJBI: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 094.15 INBOUND.
 FAS OBST: 1060 AAO 411857N/0845815W.
 CHART VDP AT 1.24 NM TO RW27.
 WAAS CHANNEL # 86401
 REFERENCE PATH ID: W27A
 CHART CIRCLING ICON.
 LTP HAE: 234 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	1081	1/2	200	1081	1/2	200	1081	1/2	200	1081	1/2	200			
LNAV/VNAV DA	1314	3/4	433	1314	3/4	433	1314	3/4	433	1314	3/4	433			
LNAV MDA	1320	1/2	439	1320	1/2	439	1320	3/4	439	1320	3/4	439			
CIRCLING	1320	1	439	1560	1	679	1720	2 1/2	839	1720	2 3/4	839			



CHANGES - REASONS

1. AIRPORT ELEVATION/TDZE: UPDATED FROM "880/880" TO "881/881" – UPDATED PER PENDING AIRNAV DATA.
2. TERMINAL ROUTES: REMOVED FWA VORTAC TO KUJBI FEEDER SEGMENT – PER FPT REQUEST; LEG LENGTH TOO SHORT TO SUPPORT A FEEDER AND NO LONGER REQUIRED.
3. TERMINAL ROUTES: UPDATED JUGIG TO HIFBA COURSE/DISTANCE FROM "274.48/6.01" TO "274.47/5.72" – FAF MOVED TO ESTABLISH 3.00 GPA.
4. TERMINAL ROUTES: UPDATED HIFBA TO RW27 COURSE/DISTANCE FROM "274.39/4.88" TO "274.40/4.95" – FAF MOVED TO ESTABLISH 3.00 GPA.
5. TERMINAL ROUTES: AMENDED CA LEG FROM "RW27 TO 1130 MSL" TO "RW27 TO 1081 MSL", CA LEG COURSE FROM "274.39" TO "274.40" AND DF LEG FROM "1130 MSL TO DOVQU" TO "1081 MSL TO DOVQU" – BASED ON NEW LPV DA IAW 8260.58C PARA 3-5-2 B AND FAF MOVED TO ESTABLISH 3.00 GPA.
6. PROFILE LINE 2: ADDED "MAX 6000" – IAW 8260.19J PARA 8-6-7 B(2).
7. PROFILE LINE 3: UPDATED FAC FROM "274.39" TO "274.40", DIST FAF TO MAP/DIST FAF TO THLD FROM "4.88/4.88" TO "4.95/4.95" – FAF MOVED TO ESTABLISH 3.00 GPA.
8. PROFILE LINE 5: ADDED DIST TO THLD FROM "200 HAT: 0.49" AND DELETED "DIST TO THLD FROM 250 HAT: 0.64 NM" FROM ADDITIONAL FLIGHT DATA – NEW LPV HAT AND IAW 8260.19J PARA 8-6-7 E(3).
9. PROFILE LINE 7: UPDATED GP ANGLE FROM "GS ANGLE: 3.04" TO "GP ANGLE: 3.00", ADDED "20:1 IS CLEAR", AND UPDATED TCH FROM "45.6" TO "46.9" – FAF MOVED TO ESTABLISH 3.00 GPA/NEW TCH AND IAW 8260.19J PARA 8-6-7 G(3).
10. DELETED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE: "RNP APCH – GPS" – IAW 8260.19J PARA 8-6-8 D(5)(A)1.
11. UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" – REMOVED FAHRENHEIT VALUES IAW 8260.19J PARA 8-6-10 R.
12. ADDED CHART PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT TAZCE ON V221 SOUTHBOUND" - IAW 8260.19J PARA 8-2-5 E(2).
13. DELETED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 335 CW 134" – REMOVED FEEDER ROUTE FROM FWA VORTAC.
14. ADDED CHART SPEED ICON IN PLANVIEW AT "TAZCE: MAX 210 KIAS", NABJI: MAX 210 KIAS" AND "KUJBI: MAX 210 KIAS" – SPEED RESTRICTIONS ADDED PER FPT REQUEST TO SUPPORT ATC VECTORS AND MAINTAIN TURNS LESS THAN OR EQUAL TO 90 DEGREES IAW 8260.3E PARA 2-3-1 A(3).
15. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBSTACLE FROM "CHART FAS OBST: 1028 T-L TWR 411848N/0850051W" TO "FAS OBST: 1060 AAO 411857N/0845815W" – NEW CONTROLLING OBSTACLE.
16. ADDITIONAL FLIGHT DATA: AMENDED VDP INFORMATION FROM "CHART VDP AT 1.12 NM TO RW27" TO "CHART VDP AT 1.24 NM TO RW27" AND DELETED ASTERISK AND "LNAV ONLY" NOTE – FAF MOVED TO ESTABLISH 3.00 GPA AND LNAV ONLY NOTE NO LONGER REQUIRED.
17. ADDITIONAL FLIGHT DATA: UPDATED LTP HAE FROM "234.8 M" TO "234 M" – PENDING AIRNAV DATA; RUNWAY THRESHOLD MOVEMENT.
18. ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" – IAW 8260.19J PARA 8-6-12 B(4).
19. MINIMUMS: LOWERED LPV DA/HAT FROM "1130/250" TO "1081/200" – NEW CONTROLLING OBSTACLE.
20. MINIMUMS: RAISED LNAV/VNAV DA/HAT FROM "1207/327" TO "1314/433" AND VISIBILITY ALL CATS FROM "5/8" TO "3/4" – NEW CONTROLLING OBSTACLE AND VISIBILITY VALUES UPDATED IAW 8260.3E TABLE 3-3-1.
21. MINIMUMS: RAISED LNAV MDA/HAT FROM "1280/400" TO "1320/439" – NEW CONTROLLING OBSTACLE/TDZE.
22. MINIMUMS: LOWERED CIRCLING CAT A HAA FROM "440" TO "439", CAT B HAA FROM "680" TO "679" AND CATS C/D HAA FROM "840" TO "839" – NEW AIRPORT ELEVATION.
23. FAS DATA: LTP/FTP LATITUDE/LONGITUDE UPDATED FROM "411826.0750N/0850318.9125W" TO "411826.2355N/0850301.1450W", LTP/FTP ELLIPSOIDAL HEIGHT FROM "+02348" TO "+02340", FPAP LATITUDE/LONGITUDE FROM "411825.0005N/0850517.1315W" TO "411825.1750N/0850459.3640W", THRESHOLD CROSSING HEIGHT (TCH) FROM "00045.6" TO "00046.9", GLIDEPATH ANGLE (GPA) FROM "3.04" TO "3.00", LENGTH OFFSET FROM "1224" TO "0816", VERTICAL ALERT LIMIT (VAL) FROM "50.0" TO "35.0", AND LTP/FPAP ORTHOMETRIC HEIGHT FROM "+02680" TO "+02672" – PENDING AIRNAV DATA; DISPLACED RUNWAY THRESHOLD, NEW GPAT/CH PER FPT, AND LPV HAT REDUCED FROM 250 TO 200.
24. FAS DATA: UPDATED CRC REMAINDER FROM "DEB4FB42" TO "D14F24E8" – UPDATED LTP/FTP LATITUDE/LONGITUDE, FPAP LATITUDE/LONGITUDE, LENGTH OFFSET, VAL AND LTP/FPAP ORTHOMETRIC HEIGHT.

08/02/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/03/2024.
1. REQUIRED EFFECTIVE DATE: CHANGED FROM ROUTINE TO 10/31/2024.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBA OTHER: ZAU, FWA APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
ROBERT G HAMILTON

Aug 05, 2024

OFFICE

DATE

DEVELOPED BY

ROBERT G HAMILTON (JILL M. SUPPES)

Digitally signed by
ROBERT G HAMILTON
Aug 05, 2024

OFFICE

AJV-A433

DATE

04/03/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Aug 05, 2024

OFFICE

AJV-A433

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGWB
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	411826.2355N
LTP/FTP LONGITUDE	0850301.1450W
LTP/FTP ELLIPSOIDAL HEIGHT	+02340
FPAP LATITUDE	411825.1750N
FPAP LONGITUDE	0850459.3640W
THRESHOLD CROSSING HEIGHT (TCH)	00046.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0816
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER D14F24E8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02672
FPAP ORTHOMETRIC HEIGHT	+02672

