

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> GWB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> AUBURN	<u>STATE</u> IN
<u>AIRPORT ELEVATION</u> 881	<u>TDZE</u> 880	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 04/27/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 OCTOBER 2024	<u>REQUIRED EFFECTIVE DATE</u> 10/31/2024	<u>MAG VAR</u> 5W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TAZCE		PUZRU		TF	FB	1.00	273.18	13.07	3000
FWA VORTAC		GUMUQ		TF	FB	1.00	343.68	15.59	3000
PUZRU	IAF	DOVQU	NOPT	TF	FB	1.00	184.15	5.00	3000
GUMUQ	IAF	DOVQU	NOPT	TF	FB	1.00	004.15	5.00	3000
DOVQU	IF/IAF	KIZFU		TF	FB	1.00	094.15	6.08	2500
KIZFU	FAF	RUDYS/1.50 NM TO RW09		TF	FB	0.30	094.24	3.45	
RUDYS/1.50 NM TO RW09		RW09	MAP	TF	FO	0.30	094.24	1.50	
RW09	MAP	1130 MSL		CA			094.24		
1130 MSL		JUGIG		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JUGIG AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD W DOVQU, RT, 094.15 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 094.24 FAF: KIZFU DIST FAF TO MAP: 4.96 DIST FAF TO THLD: 4.96
4. MIN ALT: DOVQU 3000, KIZFU 2500, RUDYS/1.50 NM TO RW09 1400
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 250 HAT: 0.66 GS ANT: MM: IM:
6. MIN GP INCPT: 2500 GP ALT AT PFAF: KIZFU 2500
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 47.5
8. MSA FROM: RW09 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 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 044.
CHART SPEED ICON IN PLANVIEW AT TAZCE: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT FWA: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT PUZRU: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT GUMUQ: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.48 INBOUND.
CHART FAS OBST: 994 TREE (18-078624) 411809N/0850400W.
WAAS CHANNEL # 40201
REFERENCE PATH ID: W09A
CHART CIRCLING ICON.
LTP HAE: 233 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	1130	3/4	250	1130	3/4	250	1130	3/4	250	1130	3/4	250			
LNAV/VNAV DA	1155	7/8	275	1155	7/8	275	1155	7/8	275	1155	7/8	275			
LNAV MDA	1260	1	380	1260	1	380	1260	1	380	1260	1	380			
CIRCLING	1320	1	439	1560	1	679	1720	2 1/2	839	1720	2 3/4	839			



CHANGES - REASONS

1. AIRPORT ELEVATION: UPDATED FROM "880" TO "881" – UPDATED PER PENDING AIRNAV DATA.
2. TERMINAL ROUTES: UPDATED DOVQU TO KIZFU DISTANCE FROM "6.01" TO "6.08" – FAF MOVED TO ESTABLISH 3.00 GPA.
3. TERMINAL ROUTES: ADDED KIZFU TO RUDYS/1.50 NM TO RW09 SEGMENT WITH COURSE 094.24, DISTANCE 3.45, AND ALTITUDE 1400- STEPDOWN FIX RUDYS ADDED PER FPT REQUEST TO MITIGATE OBSTACLES INCREASING CURRENT LNAV MINIMUMS.
4. TERMINAL ROUTES: ADDED RUDYS/1.50 NM TO RW09 TO RW09 SEGMENT WITH COURSE 094.24 AND DISTANCE 1.50 – STEPDOWN FIX RUDYS ADDED PER FPT REQUEST TO MITIGATE OBSTACLES INCREASING CURRENT LNAV MINIMUMS.
5. TERMINAL ROUTES: AMENDED CA LEG FROM "RW09 TO 1182 MSL" TO "RW09 TO 1130 MSL" AND DF LEG FROM "1182 MSL TO JUGIG" TO "1130 MSL TO JUGIG" – BASED ON NEW LPV DA IAW 8260.58C PARA 3-5-2 B.
6. PROFILE LINE 2: ADDED "MAX 6000" – IAW 8260.19J PARA 8-6-7 B(2).
7. PROFILE LINE 3: UPDATED DIST FAF TO MAP/DIST FAF TO THLD FROM "4.91/4.91" TO "4.96/4.96" – FAF MOVED TO ESTABLISH 3.00 GPA.
8. PROFILE LINE 4: UPDATED MINIMUM ALTITUDES FROM "DOVQU 3000, KIZFU 2500" TO "DOVQU 3000, KIZFU 2500, RUDYS/1.50 NM TO RW09 1400" – STEPDOWN FIX RUDYS ADDED PER FPT REQUEST TO MITIGATE OBSTACLES INCREASING CURRENT LNAV MINIMUMS.
9. PROFILE LINE 5: ADDED DIST TO THLD FROM "250 HAT: 0.66" AND DELETED "DIST TO THLD FROM 302 HAT: 079 NM" FROM ADDITIONAL FLIGHT DATA – NEW LPV HAT AND IAW 8260.19J PARA 8-6-7 E.
10. 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 "45.1" TO "47.5" – FAF MOVED TO ESTABLISH 3.00 GPA/NEW TCH AND IAW 8260.19J PARA 8-6-7 G(3).
11. 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.
12. 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.
13. ADDED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT TAZCE ON V221 NORTHBOUND" AND AMENDED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 335" TO "PROCEDURE NA FOR ARRIVAL ON FWA VORTAC AIRWAY RADIALS 285 CW 044" – IAW 8260.19J PARA 8-2-5 E(2).
14. ADDED CHART SPEED ICON IN PLANVIEW AT "TAZCE: MAX 210 KIAS", "FWA: MAX 210 KIAS", "PUZRU: MAX 210 KIAS" AND "GUMUQ: 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 "1013 T-L TWR 411855N/0850847W" TO "994 TREE (18-078624) 411809N/0850400W" – NEW CONTROLLING OBSTACLE.
16. ADDITIONAL FLIGHT DATA: DELETED "1096 AAO 411927N/0851115W" AND MOVED NOTE TO 8260-9 - IAW 8260.19J PARA 8-6-11 E(2).
17. ADDITIONAL FLIGHT DATA: DELETED "CHART VDP AT 1.14 NM TO RW09" AND "LNAV ONLY" NOTES – VDP NOT ESTABLISHED; WITHIN 0.5 NM FROM STEPDOWN FIX.
18. ADDITIONAL FLIGHT DATA: UPDATED LTP HAE FROM "232.2 M" TO "233 M" – PENDING AIRNAV DATA; RUNWAY THRESHOLD MOVEMENT.
19. ALTERNATE MINIMUMS: ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" – IAW 8260.19J PARA 8-6-12 B(4).
20. MINIMUMS: LOWERED LPV DA/HAT FROM "1182/302" TO "1130/250" AND VISIBILITY ALL CATS FROM "1" TO "3/4" – NEW CONTROLLING OBSTACLE AND VISIBILITY VALUES UPDATED IAW 8260.3E TABLE 3-3-1.
21. MINIMUMS: LOWERED LNAV/VNAV DA/HAT FROM "1237/357" TO "1155/275" AND VISIBILITY ALL CATS FROM "1 1/4" TO "7/8" – NEW CONTROLLING OBSTACLE AND VISIBILITY VALUES UPDATED IAW 8260.3E TABLE 3-3-1.
22. MINIMUMS: LOWERED LNAV MDA/HAT FROM "1280/400" TO "1260/380" AND VISIBILITY CAT C FROM "1 1/8" TO "1" AND VISIBILITY CAT D FROM "1 1/4" TO "1" – NEW CONTROLLING OBSTACLE AND VISIBILITY VALUES UPDATED IAW 8260.3E TABLE 3-3-1.
23. 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.
24. FAS DATA: LTP/FTP LATITUDE/LONGITUDE UPDATED FROM "411825.4915N/0850424.4065W" TO "411825.5750N/0850415.2370W", LTP/FTP ELLIPSOIDAL HEIGHT FROM "+02322" TO "+02330", FPAP LATITUDE/LONGITUDE FROM "411826.5485N/0850226.1875W" TO "411826.6230N/0850217.0175W", THRESHOLD CROSSING HEIGHT (TCH) FROM "00045.1" TO "00047.5", GLIDEPATH ANGLE (GPA) FROM "3.04" TO "3.00", AND LENGTH OFFSET FROM "1224" TO "0800" – PENDING AIRNAV DATA; DISPLACED RUNWAY THRESHOLD, AND NEW GPA/TCH PER FPT.
25. FAS DATA: UPDATED CRC REMAINDER FROM "13A1DFF7" TO "11F8A4BC" – UPDATED LTP/FTP LATITUDE/LONGITUDE, FPAP LATITUDE/LONGITUDE, AND LENGTH OFFSET.

08/02/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/01/2024.

1. REQUIRED EFFECTIVE DATE: CHANGED FROM ROUTINE TO 10/31/2024.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

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
04/01/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
Aug 05, 2024

OFFICE
AJV-A433

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGWB
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	411825.5750N
LTP/FTP LONGITUDE	0850415.2370W
LTP/FTP ELLIPSOIDAL HEIGHT	+02330
FPAP LATITUDE	411826.6230N
FPAP LONGITUDE	0850217.0175W
THRESHOLD CROSSING HEIGHT (TCH)	00047.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0800
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	11F8A4BC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02662
FPAP ORTHOMETRIC HEIGHT	+02662

