

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SUPERSEDED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

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD E JUGIG, RT, 274.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC: 274.40	FAF: HIFBA		DIST FAF TO MAP: 4.95	DIST FAF TO THLD: 4.95	
4. MIN ALT: JUGIG 3000, HIFBA 2500					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.49	GS ANT:
6. MIN GP INCPT: 2500	GP ALT AT PFAF: HIFBA 2500		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 46.9		
8. 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.

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	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 GPA/TCH 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

NBAA

☒

OTHER: ZAU, FWA APP CON, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by
ROBERT G HAMILTON

OFFICE

DATE

Aug 05, 2024

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



AIRPORT ID
GWB

PROCEDURE NAME
RNAV (GPS) RWY 27

ORIGINAL/AMENDMENT
1

CITY
AUBURN

STATE
IN

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
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ADDITIONAL PATH POINT RECORD INFORMATION

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



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
GWB	RNAV (GPS) RWY 27	1	AUBURN	IN	881	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM TAZCE **TO** NABJI

RNP 1.00 **DISTANCE** 9.57 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-020568)	412524.06N/0845135.73W	1370	250	50	4D	1000				AT630	3000
TERRAIN	412542.00N/0850124.00W	921 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

INITIAL

FROM NABJI **TO** JUGIG

RNP 1.00 **DISTANCE** 5.00 **PAT** **MAP** **HAT** **HMAS**

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-002084)	412101.84N/0845113.14W	1093	50	20	2C	1000				AT907	3000
TERRAIN	412000.00N/0844903.00W	875 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



INITIAL

FROM

KUJBI

TO

JUGIG

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	412018.00N/0844748.00W	1076	215	8	4B	1000				AT924	3000
TERRAIN	411645.00N/0845112.00W	859 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

JUGIG (IF/IAF)

TO

HIFBA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	5.72										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (18-000570)	412026.00N/0845352.00W	1115	500	50	5D	500				AT885	2500
TERRAIN	412000.00N/0844903.00W	875 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

HIFBA

TO

RW27

<u>RNP</u> 0.30	<u>DISTANCE</u> 4.95	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 200	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				1081

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

HIFBA

TO

RW27

<u>RNP</u> 0.30	<u>DISTANCE</u> 4.95	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 433	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TRANSMISSION_LINE (18-002620)	411815.15N/0850129.93W	1006	50	20	2C		23.36:1			AC20	1314

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

HIFBA

TO

RW27

<u>RNP</u> 0.30	<u>DISTANCE</u> 4.95	<u>PAT</u>	<u>MAP</u> RW27	<u>HAT</u> 439	<u>HMAS</u>						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	411857.00N/0845815.00W	1060	215	8	4B	250					1320

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

JUGIG

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (39-003505)	411915.50N/0844311.80W	1252	50	20	2C	1000				AT748	3000
TERRAIN	412227.00N/0844533.00W	882 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

DOVQU

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 914			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
AAO	412009.00N/0851821.00W	1211	215	8	4B	1000					2300
TERRAIN	412009.00N/0851821.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

DOVQU

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 1153				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	412009.00N/0851821.00W	1211	215	8	4B	1000					2300
TERRAIN	412009.00N/0851821.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW27

TO

DOVQU

RNP 0.30-1.00	DISTANCE	PAT	MAP			HAT	HMAS 1220				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
AAO	412009.00N/0851821.00W	1211	215	8	4B	1000					2300
TERRAIN	412009.00N/0851821.00W	1010 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

GWB

PROCEDURE NAME

RNAV (GPS) RWY 27

AMDT NO.

1

CITY

AUBURN

STATE

IN

AIRPORT ELEVATION

881

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TRANSMISSION_LINE (18-002621)	411822.48N/0850119.88W	1.30	439	1019	20	3	1A	300			1320
CATEGORY B											
TOWER (18-000300)	412001.00N/0850307.00W	1.84	679	1192	250	50	4D	300		AC50	1560
CATEGORY C											
TOWER (18-001112)	412101.00N/0850429.00W	2.89	839	1370	500	50	5D	300		AC50	1720
CATEGORY D											
TOWER (18-001112)	412101.00N/0850429.00W	3.77	839	1370	500	50	5D	300		AC50	1720

CIRCLING REMARKS:

MSA

CENTER

RW27

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (18-000045)	410539.00N/0851049.00W	210	14.1	1648	250	50	4D	1000			2700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

FWA APP CON, ZAU ARTCC, HUF FSS

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3	GWB	24	GWB	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	FWA	24	FWA	20.60	Y	57

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KGWB 881, KFWA 815
RA = 56.8.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - MIRL (PCL), REIL (PCL), PAPI-4L		NPI-F	
RW27 - MALSR (PCL), REIL (PCL), MIRL (PCL), PAPI-4L		PIR-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	876.6	46.9			3.00	47.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	750
ON CENTERLINE	X	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
-16C	+54C	-16C	+13.26C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 967 HIGH TEMP 1275.

"VISUAL PORTION OF FINAL" PENETRATIONS



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA NOT DEVELOPED PER FPT.

VEGETATION HEIGHT: 100 FT.

FOR CONTINGENCY PURPOSES:

1. WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FWA ALTIMETER SETTING AND INCREASE LPV DA TO 1138 FEET; INCREASE LNAV/VNAV DA TO 1371 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CATS C/D 1/4 SM, AND CIRCLING VISIBILITY CATS C/D 1/4 SM.

2. BARO-VNAV AND VDP NA WHEN USING FWA ALTIMETER SETTING.

3. FOR INOPERATIVE ALS WHEN USING FWA ALTIMETER SETTING, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 3/8 SM AND LNAV VISIBILITY CATS C/D TO 1 3/8 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.07
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	269.40
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.75
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	269.40
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN) 411826.24N/0850301.15W

ARP COORDINATES 411825.91N/0850337.86W

RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 27 DISTANCE 0.58 NM

FAF COORDINATES 411829.53N/0845627.04W

FIX NAME COORDINATES

REMARKS

THLD DISPLACED 750FT, ACTUAL COORDINATES: 411826.32N/0850251.32W

PART E: PREPARED BY

NAME

ROBERT G HAMILTON (JILL M. SUPPES)

OFFICE

AJV-A433

DATE

04/03/2024

TITLE

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