

**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.

<b><u>AIRPORT ID</u></b> 35A	<b><u>PROCEDURE NAME</u></b> RNAV (GPS) RWY 23	<b><u>ORIGINAL/AMENDMENT</u></b> 1	<b><u>CITY</u></b> UNION	<b><u>STATE</u></b> SC
<b><u>AIRPORT ELEVATION</u></b> 610	<b><u>TDZE</u></b> 610	<b><u>SUPERSEDED</u></b> RNAV (GPS) RWY 23	<b><u>DATED</u></b> 02/27/2020	<b><u>MAG VAR</u></b> 6W
<b><u>FACILITY</u></b> RNAV	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ORIGINAL/AMENDMENT</u></b> ORIG-C	<b><u>REQUIRED EFFECTIVE DATE</u></b> ROUTINE	<b><u>EPOCH YEAR</u></b> 2000
		<b><u>ACTUAL EFFECTIVE DATE</u></b> 5 SEPTEMBER 2024		<b><u>CANCEL/SUSPEND</u></b>

**TAA**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 143/30 CW 323/30	NOPT	TUCOP	IF/IAF	3500
2. 323/30 CW 053/30		JUKAK	IAF	3500
3. 053/30 CW 143/30		JIMOM	IAF	3500

**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>
JUKAK	IAF	TUCOP	NOPT	TF	FB	1.00	323.31	8.00	3500
JIMOM	IAF	TUCOP	NOPT	TF	FB	1.00	143.19	8.00	3500
TUCOP	IF/IAF	FIVPI		TF	FB	1.00	233.25	8.19	2300
FIVPI	FAF	WUBOL/1.68 NM TO RW23		TF	FB	0.30	233.18	2.02	
WUBOL/1.68 NM TO RW23		RW23	MAP	TF	FO	0.30	233.18	1.68	
RW23	MAP	1010 MSL		CA			233.18		
1010 MSL		ZONLU		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LNAV: RW23  
LP: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT ZONLU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NE TUCOP, RT, 233.25 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	233.18	FAF:	FIVPI	DIST FAF TO MAP:	3.70	DIST FAF TO THLD:	3.70							
4.	MIN ALT:	TUCOP 3500, FIVPI 2300, WUBOL/1.68 NM TO RW23 1400													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		GS ANT:						
6.	MIN GP INCPT:		GP ALT AT FAF:						OM:		MM:		IM:		
7.	GP ANGLE:		34:1:	IS NOT CLEAR	20:1:	IS NOT CLEAR	TCH:								
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAURENS ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET.  
CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 053.05 INBOUND.  
FAS OBST: 770 TREE 344127N/0813754W, 767 TREE 344127N/0813757W.  
WAAS CHANNEL # 77535  
REFERENCE PATH ID: W23A  
WUBOL TO RW23: 4.20/40.  
LTP HAE: 155.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	1140	1	530	1140	1	530		NA			NA				
LP MDA	1080	1	470	1080	1	470		NA			NA				
CIRCLING	1180	1	570	1180	1	570		NA			NA				



CHANGES - REASONS

1. DELETED FEEDER SEGMENT FROM BUILD TO JIMOM. – PER FPT REQUEST FOR TAA.
2. DELETED FEEDER SEGMENT FROM WILLS TO JUKAK. – PER FPT REQUEST FOR TAA.
3. DELETED MSA - REPLACED WITH TAA.
4. DELETED PBN REQUIREMENTS NOTE: "RNP APCH" - REPLACED WITH RNP APCH -GPS.
5. ADDED PBN REQUIREMENTS NOTE: RNP APCH -GPS. - IAW 8260.19I, 8-6-8 (B)(2).
6. CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMB TO 3500 DIRECT ZONLU AND HOLD" TO "CLIMB TO 3500 DIRECT ZONLU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3500" - AIRCRAFT WILL NOT REACH CLEARANCE LIMIT ALTITUDE AT THE MISSED APPROACH FIX.
7. CHANGED ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER NOT RECEIVED, USE LAURENS ALTIMETER SETTING" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAURENS ALTIMETER SETTING AND INCREASE ALL MDAS 60 FEET" - INCORPORATED P-NOTAMS AND IAW 8260.19I, 8-6-11 (N)(1)(A)(1).
8. ALTERNATE MINIMUMS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE. - IAW 8260.19I, 8-6-11 A (3-4).
9. ADD 20:1 NOT CLEAR LINE 7 OF FORM 8260-3. - IAW 8260.19I, 8-6-7 (G)(3) AND - INCORPORATED P-NOTAMS FINAL AND CIRCLING 20:1 SURFACE IS PENETRATED.
10. DELETE PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT WILLS ON V66 SOUTHWEST BOUND." - FEEDER ROUTE FROM V66 DELETED FROM PROCEDURE.
11. ADDED TAA "STRAIGHT-IN 137(T) CW 317(T), 30NM WITH MODIFIED "T" CONFIGURATION AT IAF FIX JIMOM AND JUKAK TO NOPT IF/IAF HOLD-IN-LIEU (TUCOP) AT 3500"; "LEFT BASE JUKAK TO TUCOP COUNTER CW COURSE 317 (T) AND CW COURSE 047 (T) AT 3500"; "RIGHT BASE JIMOM TO TUCOP COUNTER CW COURSE 047 (T) AND CW COURSE 137 (T) AT 3500". IAW 8260.58C, SEC 2-4 AND ATC REQUEST.
12. CRC REMAINDER CHANGED FROM "0A1CA573" TO "F9520BD3" - FAS DATA BLOCK CHANGES.
13. CHANGED FAS DATA FPAP LATITUDE AND LONGITUDE FROM 344124.1265N/0813931.9995W" TO " 344024.1295N/ 0813932.0030W."; GLIDEPATH ANGLE (GPA) AND THRESHOLD CROSSING HEIGHT (TCH) FROM "00.00/00000.0" RESPECTIVELY TO GLIDEPATH ANGLE (GPA) AND THRESHOLD CROSSING HEIGHT (TCH) FROM "4.20/40.00" RESPECTIVELY. - NEW EVALUATION AND THE REMOVAL OF THE PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
14. CHANGED DISTANCE FAF TO MAP AND DISTANCE FAF TO THLD FROM "3.93 NM" TO "3.70 NM" - IAW 8260.3E, 2-6-2, 2-6-4 AND TABLE 2-6-1.
15. CHANGED MINIMUM ALTITUDE AT "FIVPI (FAF) FROM 1900 FEET TO 2300 FEET." - IAW 8260.3E, 2-6-4 AND TABLE 2-6-1.
16. CHANGED LINE 3 FROM "TUCOP 3500, FIVPI 1900, WUBO/2.40 NM TO RW23 1400" TO " TUCOP 3500, FIVPI 2300, WUBOL/1.68 NM TO RW23 1400" - IAW 8260.19, 8-6-7, C AND 8260.3E, SECTION 2-6.
17. DELETED PROFILE NOTE VISUAL SEGMENT - OBSTACLES - IAW 8260.3E, 2-6-4. A. (2).
18. ADDED ADDITIONAL FLIGHT DATA - PROCEDURE VERTICAL DESCENT ANGLE NOTE: WUBOL TO RWY: 4.20/40 - IAW 8260.19I, 8-6-11. O.
19. CHANGED FAS OBSTACLE FROM "758 TOWER 344258N/0813659W AND 757 TREE 344130N/0813754W" TO "770 TREE 34412N/0813754W AND 767 TREE 344130/0813757W" - FAF AND SDF MOVED IAW 8260.3E, 2-6-4 AND TABLE 2-6-1.
20. ADDED HOLD IN LIEU AT WAYPOINT TUCOP - IAW 8260.19, 8-6-4 AND ESTABLISHMENT OF TAA.
21. CHANGED INTERMEDIATE SEGMENT DISTANCE BETWEEN TUCOP TO FIVPI FROM 7.96 TO 8.19. - FINAL APPROACH FIX MOVED WITH INCREASED VDA.
22. CHANGED DISTANCES FOR FIVPI TO WUBOL FROM 1.53 NM TO 2.02 NM AND FOR WUBOL TO RUNWAY 23 FROM 2.40 NM TO 1.68 NM. - INCREASE VDA TO MAXIMUM FOR PUBLISHED CATEGORIES IAW 8260.3E, 2-6-4 AND TABLE 2-6-1.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: GREER APP CON, AIRPORT MANAGER

<b><u>FLIGHT CHECKED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	
WILLIAM M YINGLING	<b>DAVID DANNER</b>	FPO	07/18/2024	
	Jul 22, 2024			
<b><u>DEVELOPED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	
ANDRE MARSH	<b>ANDRE L MARSH</b>	AJV-A421	01/17/2024	
	May 22, 2024			
<b><u>APPROVED BY</u></b>	<i>Digitally signed by</i>	<b><u>OFFICE</u></b>	<b><u>DATE</u></b>	<b><u>TITLE</u></b>
DAVID DANNER	<b>DAVID DANNER</b>	AJV-A420		MANAGER
	Jul 22, 2024			



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	35A
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	344124.8300N
LTP/FTP LONGITUDE	0813812.8000W
LTP/FTP ELLIPSOIDAL HEIGHT	+01551
FPAP LATITUDE	344024.1295N
FPAP LONGITUDE	0813932.0030W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	04.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	F9520BD3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01859
FPAP ORTHOMETRIC HEIGHT	+01859

