

**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> 5A6	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> WINONA	<u>STATE</u> MS
<u>AIRPORT ELEVATION</u> 364	<u>TDZE</u> 364	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> 1B	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2010
		<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>CANCEL/SUSPEND</u>	

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 120/30 CW 300/30	NOPT	120/25 CW 300/25		3200
2. 120/25 CW 300/25		GUNKE	IF/IAF	2400
3. 300/30 CW 120/30		300/14 CW 120/14		2800
4. 300/14 CW 120/14		GUNKE	IF/IAF	2400

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>
GUNKE	IF/IAF	FEDIX		TF	FB	1.00	209.75	6.00	2100
FEDIX	FAF	YANUV/2.20 NM TO RW21		TF	FB	0.30	209.72	3.16	
YANUV/2.20 NM TO RW21		RW21	MAP	TF	FO	0.30	209.72	2.20	
RW21	MAP	764 MSL		CA			209.72		
764 MSL		GUCEY		DF	FO	1.00			2500

MISSED APPROACH

MAP:

LP: RW21
LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT GUCEY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
34
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD NE GUNKE, RT, 209.75 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 3000.														
3.	FAC:	209.72	FAF:	FEDIX	DIST FAF TO MAP:	5.36	DIST FAF TO THLD:	5.36							
4.	MIN ALT:	GUNKE 2400, FEDIX 2100, YANUV/2.20 NM TO RW21 1080													
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: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA NW OF RWY 3-21.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GNF ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 029.62 INBOUND.
CHART FAS OBST: 559 TREE 332844N/0894356W, 529 TREE 332928N/0894300W.
WAAS CHANNEL # 53431
REFERENCE PATH ID: W21A
FEDIX TO RW21: 3.00/30.
LTP HAE: 84 M

MINIMUMS:

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

ALTERNATE: NA ☒

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
LP MDA	860	1	496	860	1	496	860	1 3/8	496		NA				
LNAV MDA	900	1	536	900	1	536	900	1 1/2	536		NA				
CIRCLING	960	1	596	960	1	596	1100	2	736		NA				



CHANGES - REASONS

1. INCORPORATED PREVIOUS A1A AND A1B P-NOTAMS INTO FORM.
2. PROFILE LINE 2: ADDED "MAX 3000" – IAW 8260.19J 8-6-7B(2).
3. PROFILE LINE 7: ADDED "20:1 IS NOT CLEAR" – NO SURVEY, ASSUMED PENETRATIONS.
4. PBN REQUIREMENTS: DELETED "DME/DME RNP-0.3", ADDED "RNP APCH – GPS" – IAW 8260.19J 8-6-8D(5).
5. CHANGED "CHART NOTE: USE GRENADA ALTIMETER SETTING; WHEN NOT RECEIVED, USE GREENWOOD ALTIMETER SETTING" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GNF ALTIMETER SETTING" – LOCAL ALTIMETER ESTABLISHED.
6. CHANGED "CHART NOTE: RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" – IAW 8260.19J 8-6-12K(2).
7. CHANGED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" – IAW 8260.19J 8-6-10M(2).
8. ADDITIONAL FLIGHT DATA: REMOVED "CHART GRENADA AWOS" – LOCAL ALTIMETER ESTABLISHED.
9. ADDITIONAL FLIGHT DATA: CHANGED "YANUV TO RW21: 3.00/30" TO "FEDIX TO RW21: 3.00/30" – VDA CALCULATED FROM FAF.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZME, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJV-A432

DATE

05/16/2024

DEVELOPED BY

JOSEPH L. ZEDER (ROBERT A. SWINSON)

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

DATE

APPROVED BY

JOSEPH L. ZEDER

Digitally signed by

CASIMIR L TABAKA

Oct 21, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	5A6
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	332811.3140N
LTP/FTP LONGITUDE	0894337.4510W
LTP/FTP ELLIPSOIDAL HEIGHT	+00840
FPAP LATITUDE	332653.0040N
FPAP LONGITUDE	0894428.5715W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1536
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	1DD99E97

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01109
FPAP ORTHOMETRIC HEIGHT	+01109

