

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
GUNKE (IF/IAF)	FEDIX (FB)	209.75 / 6.00	2100	LP: RW21 LNAV: RW21	
FEDIX (FAF)	YANUV/2.20 NM TO RW21 (FB)	209.72 / 3.16		CLIMB TO 2500 DIRECT GUCEY AND HOLD.	
YANUV/2.20 NM TO RW21	RW21 (MAP) (FO)	209.72 / 2.20			
RW21 (MAP)	764 MSL	209.72			
764 MSL	GUCEY (FO)		2500		

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

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE GUNKE, RT, 209.75 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
- FAC: 209.72 FAF: FEDIX DIST FAF TO MAP: 5.36 THLD: 5.36
- MIN. ALT: GUNKE 2400, FEDIX 2100, YANUV/2.20 NM TO RW21 1080
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCP: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A X				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	860	1	496	860	1	496	860	1 3/8	496						
LNAV MDA	900	1	536	900	1	536	900	1 1/2	536						
CIRCLING	960	1	596	960	1	596	980	1 3/4	616						

NOTES:
 CHART NOTE: USE GRENADA ALTIMETER SETTING; WHEN NOT RECEIVED, USE GREENWOOD ALTIMETER SETTING.
 CHART NOTE: CIRCLING NA NW OF RWY 3-21.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CITY AND STATE WINONA, MS	ELEVATION: 364 THRE: 364 AIRPORT NAME: WINONA-MONTGOMERY COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 10 JANUARY 2013	SUP: AMDT: ORIG DATED 02/14/2008
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TAA

	FROM	TO	ALT
1.	120/30 CW 300/30 (NOPT)	120/25 CW 300/25	3200
2.	120/25 CW 300/25	GUNKE (IF/IAF) (FB)	2400
3.	300/30 CW 120/30	300/14 CW 120/14	2800
4.	300/14 CW 120/14	GUNKE (IF/IAF) (FO)	2400

CITY AND STATE

WINONA, MS

ELEVATION: 364

THRE: 364

AIRPORT NAME:

WINONA-MONTGOMERY COUNTY

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, AMDT 1

10 JANUARY 2013

SUP:

AMDT: ORIG

DATED: 02/14/2008

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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)	0.0

CRC REMAINDER 1DD99E97

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
2
2010

CITY AND STATE WINONA, MS	ELEVATION: 364	THRE: 364	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 10 JANUARY 2013	SUP:
	AIRPORT NAME: WINONA-MONTGOMERY COUNTY				AMDT: ORIG
					DATED: 02/14/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

RCUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	GUNKE	GUNKE	010	IAF	HF	R	FO		209.8 (208.8T)	004.0	AA 02400	
		GUNKE	010	FACF	IF		FB				AA 02400	
		FEDIX	020	FAF	TF		FB	0.5	209.8 (208.8T)	006.0	AA 02100	
		YANUV	021	SDF	TF		FB	0.3	209.7 (208.7T)	003.2	AA 01080 GS 01094	
		RW21	030	MAP	TF		FO	0.3	209.7 (208.7T)	002.2	AT 00394	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		209.7 (208.7T)		AA 00764	
	GUCEY	050		DF		FO				AA 02500	
	GUCEY	060		HM	R	FO		029.6 (028.6T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FEDIX	N333253.80	W0894032.80	N3332.897	W08940.547
	GUCEY	N331751.31	W0895021.27	N3317.855	W08950.355
	GUNKE	N333810.05	W0893705.62	N3338.168	W08937.094
	YANUV	N333007.32	W0894221.67	N3330.122	W08942.361
	RW21	N332811.31	W0894337.45	N3328.189	W08943.624

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	00364	30



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