

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
NERAE (IF/IAF)	NATVE (FB)	233.83 / 6.04	1500	LPV: DA LNAV/VNAV: DA LNAV: RW23											
NATVE (FAF)	RW05 (MAP) (FO)	233.78 / 3.75	2400	CLIMB TO 2400 DIRECT HULNA AND HOLD.											
RW05 (MAP)	534 MSL	233.78													
534 MSL	HULNA (FO)														
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 053.66 INBOUND. FAS OBST: 609 AAC 311903N/0894618W DISTANCE TO THLD FROM 269 HATH: 0.72 NM. CHART VDP AT 1.73 MILES TO RW23* *LNAV ONLY. WAAS CHANNEL # 56236 REFERENCE PATH ID: W23A CHART CIRCLING ICON LTP HAE: 54.1 M											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE NERAE, RT, 233.83 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: 233.78 FAF: NATVE DIST FAF TO MAP: 3.75 THLD: 3.75 4. MIN. ALT: NERAE 2400, NATVE 1500 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 1500 GS ALT AT: NATVE 1500 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 0E EPOCH YEAR: 2005											
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
LPV DA	534	7/8	269	534	7/8	269	534	7/8	269	534	7/8	269			
LNAV/VNAV DA	766	1 3/4	501	766	1 3/4	501	766	1 3/4	501	766	1 3/4	501			
LNAV MDA	860	1	595	860	1	595	860	1 3/4	595	860	1 3/4	595			
CIRCLING	860	1	595	860	1	595	920	1 3/4	655	1000	2 1/4	735			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HATTISBURGH/LAURAL ALTIMETER SETTING AND INCREASE ALL DA 66 FEET AND ALL MDA 80 FEET; INCREASE LPV AND LNAV/VNAV ALL CATS AND CIRCLING (SEE FORM 8260-10)															
CITY AND STATE				ELEVATION: 265 THRE: 265		FACILITY IDENTIFIER: RNAV		PROCEDURE NO/AMDT NO/EFFECTIVE DATE:				SUP:			
COLUMBIA, MS				AIRPORT NAME:				RNAV (GPS) RWY 23, AMDT 1				AMDT: ORIG			
				COLUMBIA-MARION COUNTY				19 SEPTEMBER 2013				DATED 04/10/2008			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
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NOTES, (CONT.):

CAT C VISIBILITIES 1/4 MILE, INCREASE CIRCLING CAT D VISIBILITY 1/2 MILE, INCREASE LNAV CAT C AND D VISIBILITY 1/8 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING HATTISBURGH/LAURAL ALTIMETER SETTING.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	144/30 CW 324/30 (NOPT)	NERAE (IF/IAF) (FB)	2400
2.	324/30 CW 144/30	NERAE (IAF) (FO)	2400

QUALITY
2
CHECKED

CITY AND STATE
COLUMBIA, MS

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FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	0R0
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	311802.2645N
LTP/FTP LONGITUDE	0894825.4660W
LTP/FTP ELLIPSOIDAL HEIGHT	+00541
FPAP LATITUDE	311709.4550N
FPAP LONGITUDE	0894949.3200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	108.75
LENGTH OFFSET	1392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A7D6AFF5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00809
FPAP ORTHOMETRIC HEIGHT	+00809

QUALITY
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ARINC PACKET - 424-18 - RNAV (GPS)

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	HULNA K70	W	N31114305W089582640					W0006	NAR		HULNA		
SUSAEENRT	NATVE K70	W	N31201561W089445351					W0008	NAR		NATVE		
SUSAEENRT	NERAE K70	W	N31235010W089391189					W0008	NAR		NERAE		

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP OR0 K7A0R0	0	044YHN31174920W089484620E0000000265					1800018000C	MNAR			COLUMBIA-MARION COUNTY		

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP OR0 K7FR23	ANERAE	010NERAEK7EA0EE	AR	HF			23380040		+ 02400	18000		A JS	
SUSAP OR0 K7FR23	R	010NERAEK7EA0E	I	IF					+ 02400	18000		A JS	
SUSAP OR0 K7FR23	R	020NATVEK7EA1E	F	051TF			23380060		+ 01500			A JS	
SUSAP OR0 K7FR23	R	020NATVEK7EA2WALPV			ALNAV/VNAV ALNAV							JS	
SUSAP OR0 K7FR23	R	030RW23 K7PG0GY	M	031TF			23380038		00305		-300	A JS	
SUSAP OR0 K7FR23	R	040	0 M	CA			2338		+ 00534			A JS	
SUSAP OR0 K7FR23	R	050HULNAK7EA0EY		DF					+ 02400			A JS	
SUSAP OR0 K7FR23	R	060HULNAK7EA0EE	R	HM			05370040		+ 02400			A JS	

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP OR0 K7GRW23	0044602338	N31180226W089482547-0500					+0054100265000040070R						

PP	1	2	3	4	5	6	7	8	9	0	1	2	3
	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP OR0 K7PR23	RW23	001	0000W23A0N3118022645W08948254660+005410300N3117094550W08949493200106751392000400F400500A7D6AFF5										
SUSAP OR0 K7PR23	RW23	002E	+00809+00809LFPV	56236									

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	NERAE	NERAE	010	IAF	HF	R	FO		233.8(233.8T)	004.0	AA 02400	
		NERAE	010	FACF	IF		FB				AA 02400	
		NATVE	020	FAF	TF		FB	0.5	233.8(233.8T)	006.0	AA 01500	
		RW23	030	MAP	TF		FO	0.3	233.8(233.8T)	003.8	AT 00305	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		233.8(233.8T)		AA 00534	
	HULNA	050		DF		FO				AA 02400	
	HULNA	060		HM	R	FO		053.7(053.7T)	004.0	AA 02400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HULNA	N311143.05	W0895826.40	N3111.718	W08958.440
	NATVE	N312015.61	W0894453.51	N3120.260	W08944.892
	NERAE	N312350.10	W0893911.89	N3123.835	W08939.198
	RW23	N311802.26	W0894825.47	N3118.038	W08948.425

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00265	40

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