

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				
TIPGE (IAF)	SEROY (NOPT) (FB)	292.76 / 6.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW22			
UBHAX (IAF)	SEROY (NOPT) (FB)	152.65 / 6.00	2000				
SEROY (IF/IAF)	RUCOD (FB)	222.69 / 6.42	1700	CLIMB TO 2000 DIRECT OCAGI AND HOLD.			
RUCOD (FAF)	RW22 (MAP) (FO)	222.65 / 4.93					
RW22 (MAP)	396 MSL	222.65		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 042.54 INBOUND. CHART FAS OBST: 416 ANT 341130N/0791853W CHART GAMECOCK B/C/D MOA. DISTANCE TO THLD FROM 306 HAT: 0.84 NM. WAAS CHANNEL # 45836 REFERENCE PATH ID: W22A CHART CIRCLING ICON LTP HAE: -5.7 M			
396 MSL	OCAGI (FO)		2000				

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD NE SEROY, LT, 222.69 INBOUND, 2000 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>222.65</u> FAF: RUCOD DIST FAF TO MAP: <u>4.93</u> THLD: <u>4.93</u>	
4. MIN. ALT: SEROY 2000, RUCOD 1700	
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: <u>1700</u> GS ALT AT: RUCOD 1700 OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>38.7</u> 34:1 IS NOT CLEAR	
8. MSA FROM: <u> </u>	

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @			
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	396	1	306	396	1	306	396	1	306	396	1	306			
LNAV/VNAV DA	577	1 5/8	487	577	1 5/8	487	577	1 5/8	487	577	1 5/8	487			
LNAV MDA	680	1	590	680	1	590	680	1 3/4	590	680	1 3/4	590			
CIRCLING	720	1	628	720	1	628	720	1 3/4	628	960	2 3/4	868			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING FLORENCE ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -8C (18F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 (SEE FORM 8260-10)

CITY AND STATE MARION, SC	ELEVATION: 92 TDZE: 90 AIRPORT NAME: MARION COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 13 NOVEMBER 2014	SUP: AMDT: NONE DATED
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NOTES, (CONT.):

CHART NOTE: NIGHT LANDING: RWY 22 CAT C/D AIRCRAFT NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL VISIBILITIES 1/4 MILE. INCREASE ALL MDA 60 FEET AND ALL CAT C/D VISIBILITIES 1/4 MILE.

TAA

	FROM	TO	ALT
1.	153/30 CW 293/30 (NOPT)	153/15 CW 293/15	2300
	153/15 CW 293/15	SEROY (IF/IAF) (FB)	2000
2.	293/30 CW 043/30	TIPGE (IAF) (FB)	2700
3.	043/30 CW 153/30	UBHAX (IAF) (FB)	3200

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FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMAO
RUNWAY RW22
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W22A
LTP/FTP LATITUDE 341110.5305N
LTP/FTP LONGITUDE 0791949.7580W
LTP/FTP ELLIPSOIDAL HEIGHT -00057
FPAP LATITUDE 340957.0740N
FPAP LONGITUDE 0792050.7625W
THRESHOLD CROSSING HEIGHT (TCH) 00038.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1376
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9A448398

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00275
FPAP ORTHOMETRIC HEIGHT +00275

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMAOK7FR22	ASEROY	010SEROYK7EA0EE	AL	HF		22270040	+	02000	18000		A	JS
SUSAP	KMAOK7FR22	ATIPGE	010TIPGEK7EA0E	A	IF					18000		A	JS
SUSAP	KMAOK7FR22	ATIPGE	020SEROYK7EA0EE	B	010TF		29280060	+	02000			A	JS
SUSAP	KMAOK7FR22	AUBHAX	010UBHAXK7EA0E	A	IF					18000		A	JS
SUSAP	KMAOK7FR22	AUBHAX	020SEROYK7EA0EE	B	010TF		15270060	+	02000			A	JS
SUSAP	KMAOK7FR22	R	010SEROYK7EA0E	I	IF			+	02000	18000		A	JS
SUSAP	KMAOK7FR22	R	020RUCODK7EA1E	F	051TF		22270064	+	01700			A	JS
SUSAP	KMAOK7FR22	R	020RUCODK7EA2WALFV			ALNAV/VNAV							JS
SUSAP	KMAOK7FR22	R	030RW22	K7PG0GY	M	031TF	22270049		00129	-300		A	JS
SUSAP	KMAOK7FR22	R	040		0	M	2227	+	00396			A	JS
SUSAP	KMAOK7FR22	R	050OCAGIK7EA0EY		DF			+	02000			A	JS
SUSAP	KMAOK7FR22	R	060OCAGIK7EA0EE	R	HM		04250040	+	02000			A	JS

[illegible][illegible]

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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
	SEROY	SEROY	010	IAF	HF	L	FO		222.7(214.7T)	004.0	AA 02000	
	TIPGE	TIPGE	010	IAF	IF		FB					
	TIPGE	SEROY	020		TF		FB	1.0	292.8(284.8T)	006.0	AA 02000	
	UBHAX	UBHAX	010	IAF	IF		FB					
	UBHAX	SEROY	020		TF		FB	1.0	152.7(144.7T)	006.0	AA 02000	
		SEROY	010	FACF	IF		FB				AA 02000	
		RUCOD	020	FAF	TF		FB	0.5	222.7(214.7T)	006.4	AA 01700	
		RW22	030	MAP	TF		FO	0.3	222.7(214.7T)	004.9	AT 00129	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		222.7(214.7T)		AA 00396	
	OCAGI	050		DF		FO				AA 02000	
	OCAGI	060		HM	R	FO		042.5(034.5T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OCAGI	N340112.15	W0792805.56	N3401.203	W07928.093
	RUCOD	N341514.49	W0791626.89	N3415.242	W07916.448
	SEROY	N342031.68	W0791202.52	N3420.528	W07912.042
	TIPGE	N341900.03	W0790502.10	N3419.001	W07905.035
	UBHAX	N342525.89	W0791614.05	N3425.432	W07916.234
	RW22	N341110.53	W0791949.76	N3411.176	W07919.829

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00090	39

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