

**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> KCRE	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> NORTH MYRTLE BEACH	<u>STATE</u> SC		
<u>AIRPORT ELEVATION</u> 32	<u>TDZE</u> 30	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
HICKE		OTCEN		TF	FB	1.00	142.59	9.28	2000
OTCEN	IAF	FIPEG		TF	FB	1.00	144.13	5.00	2000
CHAMS	IAF	FIPEG		TF	FB	1.00	252.74	5.52	2000
FIPEG	IF	GAPNY		TF	FB	1.00	234.17	6.07	1600
GAPNY	FAF	MUQTU/2.50 NM TO RW23		TF	FB	0.30	234.12	2.26	
MUQTU/2.50 NM TO RW23		RW23	MAP	TF	FO	0.30	234.12	2.50	
RW23	MAP	1000 MSL		CA			234.12		1000
1000 MSL		OTCEN		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT OTCEN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

CHANGES - REASONS

1. CHANGES FROM P-NOTAM AMDT 1A AND 1B INCORPORATED INTO THIS FORM - IAW 8260.19I.
2. PROFILE LINE 4: DELETED ASTERISK (*) FROM MUQTU/2.50 NM TO RWY23 - NO LONGER REQUIRED IAW 8260.19I.
3. PROFILE LINE 7: CHANGED 34:1 FROM IS CLEAR TO IS NOT CLEAR - 34:1 PENETRATION IDENTIFIED IAW 8260.19I.
4. PROFILE LINE 7: ADDED 20:1 IS CLEAR - IAW 8260.19I
5. PBN REQUIRMENTS NOTE: ADDED RNP APCH-GPS - IAW 8260.19I.
6. NOTES: DELETED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED IAW 8260.19I.
7. NOTES: CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C (20°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7°C OR ABOVE 54°C" - UPDATED NOTE FORMATTING CRITERIA IAW 8260.19I.
8. NOTES: ADDED RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATION IDENTIFIED.
9. NOTES: ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM; INCREASE LNAV CATS A/B VISIBILITY TO 1 SM.
10. NOTES: REMOVED BACK-UP ALTIMETER NOTES AND MOVED THEM TO -9 AS CONTINGENCY NOTES - 8260.19I.
11. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBS FROM 180 TOWER 334942N/0784113W TO 193 WATER_TOWER (45-063929) 335102N/0784101W - NEW CONTROLLING OBSTACLE IDENTIFIED, NO CHANGE IN MINIMA.
12. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP AT 1.19 NM TO RW23 TO CHART VDP AT 1.25 NM TO RWY 23 - NEW TARGET EVALUATION COMPLETED.
13. ADDITIONAL FLIGHT DATA: DELETED *LNAV ONLY - NO LONGER REQUIRED IAW 8260.19I.
14. ADDITIONAL FLIGHT DATA: ADDED CHART CIRCLING ICON - IAW 8260.19I.
15. CHANGED LPV DA FROM 229 TO 230; LNAV/VNAV DA FROM 411 TO 412; LNAV HAT FROM 451 TO 450; CAT A/B HAA FROM 489 TO 488 AND CAT C/D HAA FROM 689 TO 688 - TDZE CHANGED FROM 29 TO 30 AND AIRPORT ELEVATION FROM 31 TO 32.
16. CHANGED LNAV CAT A/B VISIBILITY FROM 1/2 TO 3/4 - NEW VIS CHECK CALCULATION IAW 8260.19I.
17. FAS DATA: CRC REMAIDER CHANGED FROM DBOF7374 TO D6E30AA0 - FPAP LAT/LONG CHANGED FROM 334800.9600N/0784417.6100W TO 334800.9540N/0784417.6130W; LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM +00088 TO +00089.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZJX, MYR APCH, CRE ATCT, CRE AMGR

FLIGHT CHECKED BY
ROBERT E WILLIAMS

Digitally signed by
DONALD H LANIER
Nov 22, 2021

OFFICE
FPO

DATE
11/16/2021

DEVELOPED BY
DONALD H. LANIER (DEXTER SWEETING)

Digitally signed by
DONALD H LANIER
Nov 22, 2021

OFFICE
AJV-A431

DATE
09/17/2021

APPROVED BY
LONNIE EVERHART

Digitally signed by
DONALD H LANIER
Nov 22, 2021

OFFICE
AJV-A430

DATE

TITLE
MANAGER

QUALITY
16
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRE
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	334902.8760N
LTP/FTP LONGITUDE	0784300.5970W
LTP/FTP ELLIPSOIDAL HEIGHT	-00261
FPAP LATITUDE	334800.9540N
FPAP LONGITUDE	0784417.6130W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D6E30AA0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00089
FPAP ORTHOMETRIC HEIGHT	+00089

