


**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><b>AIRPORT</b></u> SPARTANBURG DOWNTOWN MEMORIAL/SIMPSON FIELD	<u><b>AIRPORT ID</b></u> KSPA	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 23	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> SPARTANBURG	<u><b>STATE</b></u> SC
<u><b>AIRPORT ELEVATION</b></u> 802	<u><b>TDZE</b></u> 801	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 23	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-A	<u><b>DATED</b></u> 05/25/2017	<u><b>MAG VAR</b></u> 5W
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 28 FEBRUARY 2019	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 1995

**TAA**      THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 19-05.

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 157/30 CW 297/30	NOPT	157/6 CW 297/6		5100
2. 157/6 CW 297/6		MUCEE	IF/IAF	2800
3. 297/30 CW 047/30		PECCH 	IAF	2800
4. 047/30 CW 157/30		HITNI	IAF	6600

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
PECCH 	IAF	MUCEE	NOPT	TF	FB	1.00	296.63	6.50	2800
HITNI	IAF	MUCEE	NOPT	TF	FB	1.00	156.67	8.65	2800
MUCEE	IF/IAF	LEORR		TF	FB	1.00	226.67	6.70	2100
LEORR	FAF	RW23	MAP	TF	FO	0.30	226.62	3.98	
RW23	MAP	1001 MSL		CA			226.59		
1001 MSL		FREST		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT FREST AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
23  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE MUCEE, RT, 226.67 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 226.62FAF: LEORRDIST FAF TO MAP: 3.98DIST FAF TO THLD: 3.98

4. MIN ALT: MUCEE 2800, LEORR 2100

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.49GS ANT:

6. MIN GP INCPT: 2100GP ALT AT FAF : LEORR 2100OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART 1115 TOWER 345847N/0815447W  
CHART CIRCLING ICON.  
CHART VDP AT 1.59 NM TO RW23\*  
\*LNAV ONLY  
WAAS CHANNEL #65926  
REFERENCE PATH ID: W23A  
CHART FAS OBST: 1075 BUILDING 345660N/0815542W.  
HOLD SW, RT, 046.51 INBOUND  
LTP HAE: 208.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LPV DA	1001	3/4	200	1001	3/4	200	1001	3/4	200	1001	3/4	200			
LNAV/VNAV DA	1090	7/8	289	1090	7/8	289	1090	7/8	289	1090	7/8	289			
LNAV MDA	1340	1	539	1340	1	539	1340	1 1/2	539	1340	1 1/2	539			
CIRCLING	1340	1	538	1340	1	538	1380	1 1/2	578	1420	2	618			



CHANGES - REASONS

1. CHANGED AIRPORT ELEVATION: 801 AND THRE: 789 TO AIRPORT ELEVATION: 802 AND TDZE: 801 - NEW SURVEY DATA AND RWY 23 EXTENSION OF 650 FT.
2. CHANGED IAF NAME/LOCATION FROM LAIRY 350008.07N/0813832.22W TO GIFTT 350056.198N/0814057.964W - AIRPORT/FPT REQUEST TO DECONFLICT FROM ADJACENT AIRSPACE.
3. CHANGED TAA SECTOR ALTITUDE 047/30 CW 157/30 TO HITNI FROM 6700 TO 6600 - NEW OBSTACLE ASSESSMENT.
4. CHANGED TERMINAL ROUTE FROM LAIRY TO MUCEE COURSE AND DISTANCE 296.76/8.65 TO GIFTT TO MUCEE COURSE AND DISTANCE 296.63/6.50 - AIRPORT/FPT REQUEST TO DECONFLICT FROM ADJACENT AIRSPACE.
5. CHANGED TERMINAL ROUTES FROM HITNI TO MUCEE COURSE FROM 156.62 TO 156.67 - PROCEDURE RE-BUILT AND UPDATED.
6. CHANGED TERMINAL ROUTES FROM MUCEE TO LEORR DISTANCE FROM 6.85 TO 6.70 - LEORR FIX MOVED 0.15 NM NE.
7. CHANGED TERMINAL ROUTES FROM LEORR TO RW23 MAP DISTANCE FROM 3.94 TO 3.98 - LEORR FIX MOVED 0.15 NM NE.
8. CHANGED TERMINAL ROUTES CA ALTITUDE FROM 989 TO 1001 AND RWY23 TO CA ALTITUDE COURSE FROM 226.62 TO 226.59 - NEW OBSTACLE ASSESSMENT AND NEW SURVEY.
9. CHANGED DIST FAF TO MAP: FROM 3.94 TO 3.98 AND THLD: FROM 3.94 TO 3.98 - NEW SURVEY/RUNWAY EXTENSION.
10. CHANGED LINE 5 DIST FROM DIST TO THLD FROM 200 HATH: 0.45 TO DIST TO THLD FROM 200 HAT: 0.49 - NEW SURVEY/RUNWAY EXTENSION.
11. CHANGED TCH FROM 57.0 TO 45.0 - NEW SURVEY DATA/VGSI TCH.
12. ADDED 20:1 IS CLEAR - PER .19H REQUIRING IDENTIFICATION OF ASSESSMENT SLOPES.
13. DELETED ADDITIONAL FLIGHT DATA NOTE "CHART FAS OBST: 903 ANT 345516N/0815614W - NEW OBSTACLE ASSESSMENT AND PROCEDURE EVALUATION.
14. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 1075 ANT ON BLDG 345700N/0815542W" TO "CHART FAS OBST: 1075 BUILDING 345660N/0815542W" - NEW OBSTACLE ASSESSMENT AND PROCEDURE EVALUATION.
15. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART VDP AT 1.55 MILES TO RW23\*" TO CHART VDP AT 1.59 NM TO RW23\*" - NEW SURVEY/RUNWAY EXTENSION AND PROICEDURE EVALUATION.
16. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "LTP HAE: 209.2 M" TO "LTP HAE: 208.4 M" - NEW SURVEY DATA AND PROCEDURE ASSESSMENT.
17. CHANGED MINIMUMS LPV DA FROM 989 TO 1001 - CHANGED FROM PRVIOUS NOTAM ACTION DUE TO CHANGE FROM THRE TO TDZE IAW AFS-400 MEMO DTD JAN 8, 2014.
18. CHANGED MINIMUMS LNAV/VNAV DA/HAT FROM 1084/295 TO 1090/289 - NEW OBSTACLE ASSESSMENT AND PROCEDURE EVALUATED FROM TDZE IAW AFS-400 MEMO DTD JAN 8, 2014.
19. CHANGED MINIMUMS LNAV HAT ALL CATS FROM 551 TO 539 AND CHANGED VISIBILITY CATS C/D FROM 1 5/8 TO 1 1/2 - NEW OBSTACLE ASSESSMENT AND PROCEDURE EVALUATION.
20. CHANGED MINIMUMS CIRCLING: HAA CATS A/B FROM 551 TO 538; CAT C FROM 1340 MDA, 1 5/8 SM VISIBILITY, 539 HAA TO 1380 MDA, 1 1/2 SM VISIBILITY, HAA 578; CAT D FROM 1380 MDA 579 HAA TO 1420 MDA 618 HAA - NEW OBSTACLE ASSESSMENT AND PROCEDURE EVALUATION.
21. ADDED ADDITIONAL FLIGHT DATA NOTE: "CHART CIRCLING ICON" - NEW CIRCLING CRITERIA APPLIED.
22. CHANGED CHART NOTE: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 (4F) OR ABOVE 38C (100F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16 OR ABOVE 54C" - IAW .19H DOCUMENTATION OF CRITICAL TEMPERATURES.
23. DELETED CHART NOTE "DME/DME RNP-0.3" AND REPLACED WITH "RNP APCH" - IAW .19H DOCUMENTATION OF EQUIPMENT NOTES.
24. REMOVED BACK UP ALTIMETER NOTES: "CHART NOTE: VDP AND BARO-VNAV NA WHEN USING GREER ALTIMETER SETTING" ; "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GREER ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE AND LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/8 MILE" - PER .19H 8-6-9 F(3) NOT REQUIRED WHEN ASOS NON-FED TRANSMITS TO WMSCR. DATA PLACED ON BACK OF -9 FOR NOTAM CONTINGENCY.
25. CHANGED FAS DATA LTP/FTP LATITUDE FROM 345515.8800N TO 345520.7030N AND LTP/FTP LONGITUDE FROM 0815702.6485W TO 0815657.4510W - RWY 23 SURFACE LENGTH EXTENDED 650 FEET.
26. CHANGED FAS DATA ELLIPSOIDAL HEIGHT FROM +02092 TO +02084 - NEW SURVEY DATA.
27. CHANGED FAS DATA FPAP LATITUDE FROM 345409.1300N TO 345413.9495N AND FPAP LONGITUDE FROM 0815814.5600W TO 0815809.3595W - NEW SURVEY DATA.
28. CHANGED FAS DATA TCH FROM 00057.0 TO 00045.0 - NEW VGSI TCH.
29. CHANGED FAS DATA LENGTH OFFSET FROM 1168 TO 0968 - NEW SURVEY DATA.
30. CHANGED FAS DATA CRC REMAINDER FROM 49E16512 TO 8CD1F920 - NEW SURVEY DATA.
31. CHANGED FAS DATA LTP/FPAP ORTHOMETRIC HEIGHTS FROM +02405 TO +02398 - NEW SURVEY DATA.
- 12/21/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7/3/2018:
1. AIRPORT NAME CHANGED FROM SPARTANBURG DOWNTOWN MEMORIAL TO SPARTANBURG DOWNTOWN MEMORIAL/SIMPSON FIELD.
- 1/17/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/21/18:
- CHANGED ALL REFERENCES OF FIX GIFTT TO PECCH.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZTL, AMRG, GSP APP CON

Digitally signed by

FLIGHT CHECKED BY  
KEVIN JOHN RIESE

DAVID DANNER  
Jan 17, 2019

OFFICE  
FIOG

DATE  
12/18/2018

DEVELOPED BY  
DEZ SILAGYI (DARREN HOOPER)

Digitally signed by  
DAVID DANNER  
Jan 17, 2019

OFFICE  
AJV-5421

DATE  
07/03/2018

APPROVED BY  
JULIE MORGAN

Digitally signed by  
DAVID DANNER  
Jan 17, 2019

OFFICE  
AJV-5420

DATE

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSPA
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	345520.7030N
LTP/FTP LONGITUDE	0815657.4510W
LTP/FTP ELLIPSOIDAL HEIGHT	+02084
FPAP LATITUDE	345413.9495N
FPAP LONGITUDE	0815809.3595W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0968
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8CD1F920

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02398
FPAP ORTHOMETRIC HEIGHT	+02398

